2021 2022

EST. 1916

SACRAMENTO CITY COLLEGE

CATALOG

LOS RIOS COMMUNITY COLLEGE DISTRICT

SACRAMENTO CITY COLLEGE

2021-2022 Catalog

Publication Date: January 1, 2022

Sacramento City College
(916) 558-2111
3835 Freeport Boulevard
Sacramento, CA 95822

Davis Center
(530) 747-5200
1720 Jade Street
Davis, CA 95616

West Sacramento Center
(916) 375-5511
1115 West Capitol Avenue
West Sacramento, CA 95691

Disclaimer

Every effort has been made to ensure that what is stated in this catalog is accurate. The courses and programs we offer, together with other information contained in this online catalog, are subject to change without notice by the administration of the Los Rios Community College District and Sacramento City College for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the district and Sacramento City College. The district and Sacramento City College further reserve the right to add, amend, or repeal any of their rules, regulations, policies, and procedures.

Additional information can be found on the Los Rios Community College District website and Sacramento City College website.

Website: scc.losrios.edu

Table of Contents

Introduction 7
- How to Use This Catalog 7
- About Sacramento City College 7
  - Mission, Vision, and Values 7
  - Accreditation 8
  - Board of Trustees and Chancellor 8

Getting Started 10
- Academic Calendar 10
- How to Enroll 10
  - Challenges to Matriculation Process 11
  - Submit Transcripts and Test Scores 11
  - Placement 13
  - AB 705 and AB 1805 14
- Admission Requirements and Procedures 15
  - Admissions Eligibility 15
  - Admission with Transfer Credit 15
  - Admission for Veterans and Dependents Using Veterans Educational Benefits 16
  - International Student Admission 16
  - Advanced Education for High School Students 16
  - Undocumented Student Admission 16
  - Residency Requirements 17
  - Readmission from Dismissed Status 17
- Fees 17
  - Fee Payment Deadlines 20
  - Debts Owed to College 21
  - Federal Education Tax Credits 21
  - Fee Refunds 22

While You Are Here 24
- Financial Aid 24
  - Free Application for Federal Student Aid 25
  - California Dream Act Application 26
  - Promise Programs 26
  - Grants 27
  - Federal Work-Study 32
  - Federal Direct Loans 32
  - Scholarships 35
- College and Academic Regulations 35
- Enrollment Verification 41
- Alternative Credit/Study Options 41
  - Advanced Placement Test Scores 45
  - College-Level Examination Program Scores 48
  - International Baccalaureate Test Scores 50

College Safety and Security 52
Crime Prevention 52
Campus Traffic Regulations 53
Reporting a Crime/Incident 53
Clery Report 53
Student Rights and Responsibilities 54
Academic Rights and Responsibilities 54
Access to Student Records (FERPA) 56
Alcohol, Drug, and Smoking Policy 57
Computer and Internet Use Policy 58
Copyright and Piracy Policy 59
Disciplinary Procedures and Due Process 60
Plagiarism and Cheating Policy 61
Right-to-Know Program Completion 61
Service Animals on Campus 62
Social Media Policy 62
Standards of Conduct 63
Student Grievance and Class-Related Concerns 64
Equal Opportunity, Equity, Discrimination, and Harassment 66
Equal Opportunity 66
Non-Discrimination Policy 67
Sexual Harassment or Assault 68
Types of Harassment 71
Discrimination and Harassment Complaint Procedures 72
Graduation and Transfer 73
Associate Degree Graduation Requirements 73
Petition for a Certificate 76
Petition for a Degree 77
Commencement 79
Preparing to Transfer 80
Transfer to California State University 80
Transfer to University of California 81
Transfer to Private Colleges 82
2021-2022 California State University General Education Requirements 83
2021-2022 Intersegmental General Education Transfer Curriculum Requirements 86
Transfer Degree Requirements 89
Course Transferability and C-ID 89
Order Transcripts From Sacramento City College 91
Programs of Study 92
List of Degrees and Certificates 94
Description of Courses 100
Course Numbering 100
Prerequisites, Corequisites, and Advisories 100
To Be Arranged Scheduling 102

Course Prefixes 103
Cross-Listed Courses 105
Meta Majors 106
List of Programs 108
Accounting 109
Administration of Justice 114
Aeronautics 122
Allied Health 131
Anthropology 138
Art 143
Art History 155
Astronomy 161
Aviation 163
Biological Sciences 173
Business 184
Chemistry 201
Chemistry Course Sequence 210
Communication 211
Community Healthcare Worker 217
Community Leadership Development 220
Computer Information Science 221
Cosmetology 248
Deaf Culture and American Sign Language Studies 254
Dental Assisting 257
Dental Hygiene 261
Design and Digital Media 267
Early Childhood Education 278
Economics 290
Education/Teaching 293
Electronics Technology 297
Engineering 304
Engineering Design Technology 309
English 322
English Course Sequence 338
English as a Second Language (ESL) 339
English as a Second Language (ESL) Course Sequence 346
Ethnic Studies 348
Family and Consumer Science 351
Fashion 354
Foreign Languages 358
Geography 369
Geology 374
Gerontology 378
Global Studies 381

Health Education 383
History 384
Human Services 391
Human/Career Development 392
Humanities 395
Interdisciplinary Studies 399
International Studies 408
Industrial Maintenance Mechanic Technician 411
Journalism 413
Kinesiology 420
Learning, Tutoring and Academic Technology 444
Legal Studies 446
Library 449
Mathematics and Statistics 455
Math Course Sequence 464
Mechanical-Electrical Technology 465
Modern Making 474
Music 476
Nursing 499
Nutrition and Food Science 509
Occupational Therapy Assisting 512
Optical Technology 520
Philosophy 524
Photography 531
Physical Therapist Assistant 541
Physics 546
Political Science 548
Psychology 553
Railroad Operations 560
Recreation 563
Sociology 564
Social Justice Studies 574
Student Government 575
Theatre Arts 576
Theatre Arts Film 591
Women and Gender Studies 597
Work Experience 599

Administrators, Faculty, and Staff 600

College Administrators 601
Faculty 603
Staff 614

Introduction

How to Use This Catalog

An Important Resource

This college catalog is a vital resource for you as a student at Sacramento City College. Please spend some time becoming familiar with the information in this catalog – it can be a key tool in your academic success.

Changes

It's important to keep in mind that policies and regulations are subject to change. Many of these changes are dictated by the State of California or federal agencies. This catalog captures the latest information as of the publish date, but changes happen on a regular basis. For updated information, please consult the college website.

Official Updates

If there are significant changes – such as new courses, programs, or regulations – the college will publish a catalog update online (similar to an "addendum" in a print catalog). If updates are published, then they will typically appear in September and/or November of each year, but may be added at other times if critical content updates are necessary. Throughout the year, the catalog website (https://scc.losrios.edu/catalog) will always include the most current catalog content.

Career Education Program Changes

Please be aware that the required courses for career education (formerly career and technical education, or CTE) programs are subject to change due to state, regional, and federal agencies. It's important to meet with a counselor to stay on top of any potential changes to these programs.

About This Catalog

Every effort has been made to ensure that what is stated in this catalog is accurate. The courses and programs we offer, together with other information contained in this online catalog, are subject to change without notice by the administration of the Los Rios Community College District and Sacramento City College for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the district and Sacramento City College The district and Sacramento City College further reserve the right to add, amend, or repeal any of their rules, regulations, policies, and procedures.

About Sacramento City College

Since 1916, Sacramento City College has provided outstanding academic and vocational training to the Sacramento region. The college serves more than 20,000 students at the Main Campus, Davis Center, West Sacramento Center and online.

For more than 100 years, Sacramento City College has remained committed to fostering a community that celebrates diversity, nurtures personal growth, and inspires academic and economic leadership.

Mission, Vision, and Values

Our Mission

Sacramento City College is an open-access, comprehensive community college, serving a diverse student population. We provide a wide range of educational opportunities and support services designed to foster the success of all students seeking transfer, career advancement, Associate degree and certificate attainment, basic skills development, and personal enrichment. Our commitment to continuous improvement through outcome-guided assessment, planning, and evaluation promotes student learning. Through these efforts, we contribute to the intellectual, cultural, and economic vitality of the community.

Our Vision

Sacramento City College seeks to create a learning community that celebrates diversity, nurtures personal growth, and inspires academic and economic leadership.

Our Values

- Working Together
- Pursuing Excellence
- Inspiring Achievement

Accreditation

The Los Rios Community College District consists of four comprehensive, public California community colleges: American River College, Cosumnes River College, Folsom Lake College, and Sacramento City College. Sacramento City College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges, an institutional accrediting body recognized by the Council of Higher Education Accreditation and the US Department of Education. The Sacramento City College educational centers are fully accredited under the college's accreditation status.

Additionally Accredited Programs

- Occupational Therapy Assistant (OTA) Program (https://scc.losrios.edu/academics/programs-and-majors/occupational-therapy-assisting) is accredited by the Accreditation Council for Occupational Therapy Educate of the American Occupational Therapy Association.
- Physical Therapist Assistant (PTA) Program (https://scc.losrios.edu/academics/programs-and-majors/physical-therapist-assistant) is accredited by the Commission on Accreditation in Physical Therapy Education.
- Associate Degree Nursing Program (https://scc.losrios.edu/academics/programs-and-majors/nursing) is accredited by the California Board of Registered Nursing, a specialized accrediting body of the California Department of Consumer Affairs; and the Accreditation Commission for Education in Nursing.
- Vocational Nursing Program (https://scc.losrios.edu/academics/programs-and-majors/nursing) is accredited by the California Board of Vocational Nursing and Psychiatric Technicians, a specialized accrediting body of the Department of Consumer Affairs.
- Dental Assisting Program (https://scc.losrios.edu/academics/programs-and-majors/dental-assisting) is accredited by the Commission on Dental Accreditation of the American Dental Association.
- Dental Hygiene Program (https://scc.losrios.edu/academics/programs-and-majors/dental-hygiene) is accredited by the Commission of Dental Accreditation of the American Dental Association.

Board of Trustees and Chancellor

The Board of Trustees is the governing body of Los Rios Community College District.

The board is responsible for the educational, physical, and financial well-being of the district. The board also sets legal policy for the district.

The board is composed of seven board members who are elected to four-year terms by registered voters. The board also includes a non-voting student trustee who is elected by students.

Board Members

Mr. Dustin Johnson

Mr. Robert Jones

Mr. John Knight

Ms. Kelly Wilkerson

Ms. Pamela Haynes

Ms. Deborah Ortiz

Ms. Tami Nelson
Student Trustee

Chancellor

Brian King

Getting Started

Academic Calendar

Summer 2021

Summer 2021 starts June 7, 2021 and ends August 5, 2021.

Date	Action/Event
June 7	Instruction begins
June 18	Last day to petition for graduation/certification
July 5	Holiday – Independence Day (no classes; offices closed)
August 5	End of semester
August 9	Grades due

Fall 2021

Fall 2021 starts August 21, 2021 and ends December 16, 2021.

Date	Action/Event
August 21	Instruction begins
September 6	Holiday – Labor Day (no classes; offices closed)
October 1	Last day to petition for graduation/certification
November 11	Holiday – Veterans Day (no classes; offices closed)
November 25 to 28	Holiday – Thanksgiving Recess
December 16	End of semester
January 4, 2022	Grades due

Spring 2022

Spring 2022 starts January 15, 2022 and ends May 18, 2022.

Date	Action/Event
January 15	Instruction begins
January 17	Holiday – Martin Luther King, Jr. Birthday (no classes; offices closed)
February 18	Holiday – Lincoln Birthday (no classes; offices closed)
February 21	Holiday – Washington Birthday (no classes; offices closed)
March 4	Last day to petition for graduation/certification
April 11 to 17	Holiday – Spring Recess (no classes; offices closed)
May 18	End of semester
May 25	Grades due

How to Enroll

Apply Now

Guarantee your admission to Sacramento City College by completing the online application to Sacramento City College (https://www.opencccapply.net/cccapply-welcome?cccMisCode=233).

Note: You must submit a new application any time you have a break of enrollment where you do not attend for a year or more.

When applying to one college in the Los Rios Community College District, you are able to enroll in all four colleges (American River College, Cosumnes River College, Folsom Lake College, and Sacramento City College).

Save Money

To qualify for the Los Rios Promise and other programs, fill out the Free Application for Federal Student Aid (FAFSA) or the California Dream Act Application (CADAA). Learn more about how to save money with financial aid (https://scc.losrios.edu/save-money).

Other Admissions Tips

- Submit your high school and/or college transcripts to be placed automatically into English and mathematics courses that match your skill level. Learn more about placement (https://scc.losrios.edu/admissions/placement). English as a Second Language (ESL) assessment testing is still available via assessment testing (https://scc.losrios.edu/admissions/placement/assessment-testing).
- Participate in orientation for new students (https://scc.losrios.edu/admissions/orientation).

Challenges to Matriculation Process

Students can elect to not participate or be exempt from most or parts of the matriculation process based on the following criteria:

1. The student has completed an associate degree or higher.
2. The student satisfies at least two of the following:
    - The student has identified a goal of upgrading job skills
    - The student has enrolled for fewer than 12 units
    - The student is concurrently enrolled in another post-secondary institution
    - The student has declared no degree or occupational objective

Submit Transcripts and Test Scores

Official Transcripts and Test Scores

Sacramento City College requires official transcripts and test scores from colleges and universities outside of Los Rios if you are pursuing a degree or certificate, plan to apply for financial aid, or receive veterans educational benefits.

Mail official transcripts and test scores to:

Sacramento City College
Admissions and Records
3835 Freeport Boulevard
Sacramento, CA 95822

Official transcripts can be sent electronically to admissions@scc.losrios.edu, but they must come directly from the college or university.

Contact Admissions and Records at (916) 558-2351 if you have questions.

Transfer Credit Acceptance

We accept coursework from colleges and universities that are accredited by the following regional bodies:

- Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges (ACCJC)
- Higher Learning Commission (HLC)
- Northwest Commission on Colleges and Universities (NWCCU)
- Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
- Middle States Commission on Higher Education (MSCHE)
- New England Commission of Higher Education (NECHE)
- WASC Senior College and University Commission (WSCUC)

We do not accept coursework that is remedial or post-baccalaureate in nature. Transfer credit may not be reflected on your records, but it is kept on file for use in completion of degrees or certificates.

Foreign Transcript Evaluation

Students who want to use coursework from a foreign college or university need to have their transcript(s) evaluated. We do not give credit for coursework that is from high school, remedial, or post-baccalaureate in nature.

We accept transcript evaluations from companies that are current members of National Association of Credential Evaluation Services (NACES) (https://www.naces.org/members) or Association of International Credential Evaluators, Inc. (AICE) (http://www.aice-eval.org/). When you get your transcript evaluated, make sure you ask for:

- A breakdown of coursework into general education academic areas
- Whether unit values are in semester or quarter units
- What coursework is lower division, upper division, or graduate level

Placement

View your placement results in your eServices account. From your eServices (https://ps.losrios.edu/psp/student/?cmd=login) dashboard, click on **Academic Records**, then **Placements**.

Know Your Rights: AB 705 and AB 1805 (https://scc.losrios.edu/2021-2022-official-catalog/getting-started/how-to-enroll/ab-705-and-ab-1805)

Using High School Records for Placement

Your English placement (https://scc.losrios.edu/admissions/placement/english-placement) and math placement (https://scc.losrios.edu/admissions/placement/math-and-statistics-placement) will be automatic if you:

- Graduated from a US high school within the last 10 years
- Included all of the requested information about your high school records on your college application

Submit Your High School Records for Placement

If you graduated from a U.S. high school within the last 10 years, but did not report your high school information on your application, you can send your transcripts to

Sacramento City College
Student Services Building 103
3835 Freeport Boulevard
Sacramento, CA 95822

If you are sending your transcript to SCC electronically, then request that it is sent to admissions@scc.losrios.edu.

Use College Records for Placement

If you attended another college (outside of Los Rios), you can provide college transcripts showing that you passed certain classes. Additional forms may be necessary depending on the college and course.

Use Self-Guided Placement

If you have been out of high school for more than 10 years, have foreign high school transcripts, or left high school without graduating, then you should use the self-guided placement process to determine what English and math courses to take. To access the Guided Self-Placement, please check your Los Rios Gmail account for an email called *How to Get Your English and Math Course Placements*. If you did not receive the email, then contact admissions@scc.losrios.edu.

Placement for Advanced Education Students

If you are an Advanced Education student who wants to enroll in a math, English, or another class with an English or math prerequisite, then you can email your unofficial high school transcript to admissions@scc.losrios.edu or drop off your transcripts to the Admissions and Records Office in Student Services Building, 103.

If you plan to enroll in a class that has an English prerequisite and your cumulative GPA is between 2.7 to 2.99, then you are also required to submit a letter of support from your last or current high school English teacher stating that you are capable of doing college-level work. Include the letter of support with your Advanced Education packet when submitting it to the Admissions and Records Office.

AB 705 and AB 1805

AB 705

California law (Assembly Bill 705) essentially eliminated the use of assessment tests for purposes of determining the placement of students into transfer-level math and English courses in community colleges.

Research shows that California students are far more prepared than assessment tests have acknowledged. A student's high school performance is a much stronger predictor of success in transfer-level courses than standardized placement tests.

AB 705 requires colleges to take into account high school coursework, high school grades, and high school grade point average when determining math and English placement upon enrollment.

AB 1805 – Placement and Enrollment Outcomes

Sacramento City College wants to make sure students are placed fairly, equitably, and accurately in English, math, statistics, and English as a Second Language (ESL) courses. As part of that effort, we are making placement and enrollment data in these courses available to you.

The data includes the number of new students placed in English, math, statistics, and ESL courses, either with or without support. The information provided also includes the number of students who enrolled in transfer-level courses, transfer-level courses with support, degree-applicable math coursework, and transfer-level ESL courses.

As part of our equity and anti-racism efforts, we have included data by race and ethnicity, so you can see how students from different racial and ethnic groups placed and where they enrolled.

SCC English, Math, and ESL Placements and Enrollments Data

To view an interactive data dashboard containing SCC's placement and enrollment information, visit our AB 705 and AB 1805 page online (https://scc.losrios.edu/2021-2022-official-catalog/getting-started/how-to-enroll/ab-705-and-ab-1805).

Admission Requirements and Procedures

Admissions Eligibility

Any person who has earned a high school diploma or the equivalent – such as a certificate of proficiency issued by the State Board of Education including a General Education Development (GED) – is eligible for admission to Sacramento City College. Non-high school graduates 18 years of age or older who demonstrate ability to profit from a community college education may also be admitted.

There are four main types of students who attend Sacramento City College:

First-Time College Students

First-time college students are individuals who are a high school graduates or are at least 18 years old and never attended any college (other than those who attended while in high school).

Continuing Students

Continuing students are individuals who attended classes at any Los Rios college in the term immediately prior to the next term.

Returning or Transfer Students

All students returning after an absence or transferring from a non-Los Rios college must complete an admissions application and submit official transcripts of all other college work to the Admissions and Records Office.

High School Students

High school students who will be a junior or senior (grades 11 or 12) or at least 16 years of age by the start of classes may be eligible to enroll in a maximum of two community college classes each semester through the Advanced Education program.

Admission with Transfer Credit

Students who desire academic credit for courses taken at other regionally accredited colleges and universities must submit official transcripts of that work to the Admissions & Records office. It is the student's responsibility to initiate a request to each institution asking that an official transcript of their work be sent directly to:

Sacramento City College
Student Services Building 103
3835 Freeport Boulevard
Sacramento, CA 95822

To be credited by Sacramento City College, the coursework must meet the following criteria:

- The course(s) must have been taken at a regionally accredited college or university.
- The course(s) must be at the undergraduate level.
- The course(s) must have been completed with a grade of D or higher. All transferred grades (including Fs) will be used in the calculation of units attempted, units completed, and the grade point average.
- For determination of course applicability/equivalency, student must meet with a counselor.

Students who have completed college- or university-level courses outside of the United States and who are requesting credit must have those transcripts evaluated by a Foreign Credit Evaluation Service. Sacramento City College will accept a foreign transcript evaluation from a current member of Association of International Credential Evaluators, Inc. (http://aice-eval.org/) (AICE) or National Association of Credential Evaluation Services (https://www.naces.org/) (NACES).

Credit for coursework/degrees will be granted if it is determined to be equivalent to that of a regionally accredited college or university in the US and is at the baccalaureate level. Once received by Sacramento City College, the evaluation becomes property of the college and is treated in the same manner as an official transcript.

Admission for Veterans and Dependents Using Veterans Educational Benefits

Veterans services are available to assist veterans, spouses, and children of disabled or deceased veterans who may be eligible for federal and/or state educational benefits.

Veterans and their dependents should contact Sacramento City College's Veterans Resource Center (https://scc.losrios.edu/vrc) each semester to initiate benefits. Veterans will need to provide a copy of their DD-214 and other supporting documentation. Eligibility may take several weeks to process. Eligibility is determined by the US Department of Veterans Affairs (VA).

VA requires that all credit for previous education and training is on file at Sacramento City College. Veterans and dependents are required to submit transcripts from other institutions before they meet with their academic counselor at Sacramento City College. Sacramento City College will maintain a record of the previous education and training of veterans and eligible persons – and indicate where credit has been granted, if appropriate – and the student will be notified accordingly. An evaluation of prior credit will be recorded and granted appropriately on a VA Education Plan. All recipients of VA educational benefits are required to select a major and have a VA Educational Plan on record.

In most cases, all tuition and enrollment fees, miscellaneous fees, textbooks, and class supplies are paid for by the student and not by VA. The exception is students who are using the Post 9/11 GI Bill® or Vocational Rehabilitation benefits. Students using Post 9/11 – Chapter 33, Transfer of Entitlement, Fry Scholarship, or Vocational Rehabilitation – Chapter 31 benefits must notify the Veterans Resource Center immediately after they enroll each semester to avoid being dropped for non-payment.

GI Bill® is a registered trademark of VA. Visit the GI Bill® website (http://www.benefits.va.gov/gibill) for more information on VA benefits. Disabled veterans who qualify for additional benefits should contact their VA Vocational Rehabilitation Counselor before they enroll in classes.

International Student Admission

Sacramento City College welcomes students from all over the world. There are different attendance requirements for each visa type. International students are those who are attending college in the US on an F-1 visa.

Sacramento City College is approved by the US Citizenship and Immigration Services (USCIS) to issue I-20s, which students can use to apply for the F-1 visa. An international student must be enrolled in at least 12 units each semester and must maintain the same academic standards as all students, in order to comply with F-1 visa requirements.

For more information, see international student admissions (https://scc.losrios.edu/international-student).

Advanced Education for High School Students

Courses that provide enrichment and advancement in educational experience may be offered on a limited basis to high school students who have demonstrated academic achievement. The student must be 16 years of age or have completed their sophomore year of high school prior to the first day of the college semester. Advanced education students may not take remedial classes, those classes which need to be repeated because of low grades, and classes offered in the student's own school.

High school students should request information from their high school counselor regarding eligibility and complete the advanced education application. The high school counselor should then submit a completed advanced education application form that has been signed by a parent and by the high school counselor or principal, and an official transcript.

After the advanced education application has been approved, Admissions & Records staff will enroll the student in classes. An advanced education student is not considered a continuing student when registering for classes for any subsequent semesters. It is the responsibility of the advanced education student to become familiar with, and aware of, all the requirements, processes, and deadlines pertaining to advanced education.

For more information, see advanced education admissions (https://scc.losrios.edu/advanced-education).

Undocumented Student Admission

At Sacramento City College, we define undocumented to include all immigrants who reside in the US without legal status. All undocumented students must:

1. Complete the online application to Sacramento City College (https://www.opencccapply.net/cccapply-welcome?cccMisCode=233).
2. Submit a California Non-Resident Tuition Exemption Form available to the Admissions & Records Office.

3. Complete the California Dream Act Application (https://dream.csac.ca.gov) (CADAA) by March 2 of every year.

For more information, see undocumented student admissions (https://scc.losrios.edu/undocumented-students).

Residency Requirements

Students who are California residents pay in-state tuition of $46 per unit, whereas students who are non-residents pay out-of-state tuition of $370 per unit. (Note: Tuition fees are for the 2021-22 academic year.) Community college enrollment fees are set by the California State Legislature. All fees are subject to change.

The term "California resident" for fee purposes may differ from other definitions of California residency. A person who has a California driver's license and/or vehicle registration or who is a California resident for tax, voting, or welfare purposes may have established legal residence in the state but not necessarily be considered a resident for fee purposes.

Residency Eligibility

To be eligible for California residency, a student must do the following:

- Be a citizen or hold a US immigration status that does not prevent establishment of residency
- Verify physical presence in California for at least one year and one day prior to the first day of the semester/term
- Verify intent to make California your permanent place of residence
- Establish financial independence from a non-resident parent or guardian

For more information, go to residency requirements on the Sacramento City College website (https://scc.losrios.edu/residency-requirements).

Readmission from Dismissed Status

Students on dismissed status from Sacramento City College must submit a Petition for Readmission After Dismissed Status form, which is completed with a college counselor. In order to enroll in classes, the dean must approve readmission following counselor recommendation.

Fees

Community college enrollment fees are set by the California State Legislature. All fees are subject to change.

Fees for 2021-2022

Mandatory Fees

Fee Name	Summer 2021	Fall 2021	Spring 2022	Refundable
Resident tuition and enrollment	$46 per unit	$46 per unit	$46 per unit	Yes
Non-resident tuition and enrollment	$370 per unit	$370 per unit	$370 per unit	Yes
Foreign student application fee [1]	$50	$50	$50	No
Student representation fee	N/A	$2	$2	Yes
Health services fee	N/A	$20	$20	Yes
Universal transit pass (UTP) fee	$12 (flat fee)	$1.25 per unit [2]	$2.50 per unit [3]	Yes

[1] A non-refundable application processing fee shall be charged to nonresident applicants who are both citizens and residents of a foreign country in accordance with provisions established by state regulations.

[2] Eligible students will receive the fall UTP at a 50% discount. Eligible students must be taking one (1) or more units to be charged the UTP fee. Students taking more than 15 units will only be charged for 15 units ($18.75). Fractions of units are rounded up to the nearest whole unit.

[3] Eligible students must be taking one (1) or more units to be charged the UTP fee. Students taking more than 15 units will only be charged for 15 units ($37.50). Fractions of units are rounded up to the nearest whole unit.

Parking Fees

Fee Name	Summer 2021	Fall 2021	Spring 2022	Refundable
Semester parking permit (automobiles)	N/A[4]	N/A[4]	N/A[5]	N/A
Semester parking permit (carpools with 3 or more passengers)	N/A[4]	N/A[4]	N/A[5]	N/A
Semester parking permit (motorcycles)	N/A[4]	N/A[4]	N/A[5]	N/A
Daily parking permit	N/A[4]	N/A[4]	N/A[5]	No

[4] Due to ongoing public health concerns related to COVID-19, summer and fall classes will be mostly online with limited exceptions for courses that cannot be converted to online. Therefore, **we will not sell parking permits during the summer and fall semesters**.

[5] As we expand in-person offerings, we recognize the need to reduce the barriers for students to access college facilities (including in-person classes or student support services). Therefore, **we will not sell parking permits during the spring semester**.

Fee Descriptions

Tuition and Enrollment Fee

Refundable: Yes. Learn more about refunds (https://scc.losrios.edu/admissions/cost-of-attendance/refunds).

Tuition and enrollment fees are charged per unit of enrollment. These fees are set by the State of California and are subject to change at any time. Students who have registered for classes prior to an increase may be required to pay the additional amount.

Foreign Student Application Fee

Refundable: No.

The foreign student application fee applies to all international students. Some international students may be exempt from paying this fee if they demonstrate economic hardship. Read Regulation R-2251 Nonresident and International Student Fees (shared/doc/board/regulations/R-2251.pdf) to learn more.

Student Representation Fee

Refundable: Yes.

The student representation fee supports student government in its effort to advocate and lobby for legislative issues that affect students.

$1 of every $2 fee supports the operations of a statewide community college student organization that is recognized by the Board of Governors of the California Community Colleges (Assembly Bill 1504). This statewide organization provides for student representation and participation in state-level community college shared governance as well as governmental affairs representatives to advocate before the legislature and other state and local governmental entities.

Students can refuse to pay this fee based on moral, religious, political, or financial grounds. To be exempted from paying the fee, submit the Student Representation Fee Exemption Form (https://losrios.edu/srf), preferably before you pay your fees.

This fee was established under provision of California Education Code section 76060.5 and California Code of Regulations, Title V, sections 54801-54805.

Health Services Fee

Refundable: Yes.

In a remote environment, the health services fee provides access to virtual health and mental health services as well as virtual mental health counseling by local mental health counselors. College nurses are available by appointment for phone or email advice and referrals to community resources as needed. College nurses will offer remote health and wellness educational offerings throughout the semester along with virtual health fairs.

The following students may be exempted from the health services fee if they submit the Health Services Fee Exemption Form (https://losrios.edu/hsf) before the last day of the semester:

- Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization
- Students who receive California College Promise Grant (formerly BOG Fee Waiver) Part A

The following students are not charged the health services fee:

- Students enrolled in the Sacramento Regional Public Safety Training Center (SRPSTC)
- Students enrolled in apprenticeship programs
- Students only enrolled in UC Davis Co-Op program courses
- Incarcerated students inside correctional facilities
- Students admitted as special part-time students (K-12 students)

Universal Transit Pass (UTP) Fee

Refundable: Yes. Learn about refunds (https://scc.losrios.edu/admissions/cost-of-attendance/refunds).

The Universal transit pass (UTP) is available to certain students for use on Regional Transit (RT) services, including buses and light rail. All eligible students are charged the UTP fee, regardless of whether or not they use the pass.

For summer and fall 2021, students must request a UTP via the online UTP request form, which will be provided to them after they pay the UTP fee. Students do not need a student access card to use the summer or fall UTP.

Beginning in spring 2022, the UTP is available electronically via SacRT's mobile fare app, ZipPass. Learn how to download and use ZipPass (https://scc.losrios.edu/student-resources/technology-resources/apps-and-software-for-students/sacramento-regional-transit-zippass/universal-transit-pass).

Visit the Sacramento Regional Transit website (https://www.sacrt.com/fares/) for a list of all transit and bus systems that accept the UTP. UC Davis Unitrans does not accept the UTP.

Eligibility

Students taking one or more units during the spring or fall semester are eligible for the UTP. All students are eligible for the UTP in the summer semester, regardless of how many units they take.

Some students are not eligible for the UTP and therefore are not charged the fee. These students include:

- Students enrolled in the Sacramento Regional Public Safety Training Center (SRPSTC)
- Students enrolled in apprenticeship programs
- Students taking classes on the UC Davis main campus
- Students studying abroad
- Incarcerated students inside correctional facilities
- Students whose home college is not a Los Rios college but who are enrolled in courses at a Los Rios college through the California Community Colleges Online Education Initiative Course Exchange

Valid Dates

- For the spring semester, the UTP is valid from January 1 through May 31.
- For the summer semester, the UTP is valid from June 1 through July 31.
- For the fall semester, the UTP is valid from August 1 through December 31.

Fee Structure

For the fall 2021 semester, the UTP is 50% off its normal price. Eligible students will pay $1.25 per unit during the fall semester. Any fraction of a unit is rounded up to the next whole unit. The minimum fee charged is $1.25 (for one unit) and the maximum fee is $18.75 (for 15 or more units). For example:

- A student enrolled in .5 units will not pay the UTP fee.
- A student enrolled in one unit will pay $1.25.
- A student enrolled in 1.5 units will pay $2.50.
- A student enrolled in 15 or more units will pay the maximum fee of $18.75.

For the spring 2022 semester, eligible students will pay $2.50 per unit. Any fraction of a unit is rounded up to the next whole unit. The minimum fee charged is $2.50 (for one unit) and the maximum fee is $37.50 (for 15 or more units). For example:

- A student enrolled in .5 units will not pay the UTP fee.
- A student enrolled in one unit will pay $2.50.

- A student enrolled in 1.5 units will pay $5.00.
- A student enrolled in 15 or more units will pay the maximum fee of $37.50.

During the summer 2021 semester, all eligible students pay $12 for the UTP.

Lost, Stolen, or Damaged UTPs

We will not issue replacement UTPs for summer or fall 2021.

Semester Parking Permit Fee

Refundable: Yes. Learn about refunds (https://scc.losrios.edu/admissions/cost-of-attendance/refunds).

Students can buy a semester parking permit online via eServices (https://ps.losrios.edu/student/signon.html) or in person*. The semester parking permit is a decal that is placed on the windshield or hung from the rear-view mirror.

Read Administrative Regulation R-2252: Student Parking Fees (shared/doc/board/regulations/R-2252.pdf) to learn more.

Lost, Stolen, or Damaged Parking Permit

If a semester parking permit is lost or stolen, then you will have to pay full price for a new one. If a vehicle is sold or damaged, then a replacement can be issued for $2. You will need to provide the old decal and proof of sale or repair for the $2 replacement.

** At American River College, Cosumnes River College, and Sacramento City College, parking permits can be purchased at the Business Services Office. At Folsom Lake College, parking permits can be purchased at the Admissions and Records Office.*

Daily Parking Permit Fee

Refundable: No.

Students can buy daily parking permits from machines located in the parking lots at each campus. Daily parking permits are not recommended for motorcycles because they can be easily stolen. Read Los Rios' Administrative Regulation R-2252: Student Parking Fees (shared/doc/board/regulations/R-2252.pdf) to learn more.

Instructional Material Fees

Instructional material fees for designated courses may be assessed in accordance with Title 5, Section 59400 and Los Rios Policy P-2253 (shared/doc/board/policies/P-2253.pdf).

Fee Payment Deadlines

Your tuition and fees are due soon after you enroll in classes. You *may* be dropped if your fees are not paid by the fee payment deadline. This is true even if you enroll in a class that starts later in the semester.

Summer 2021 Payment Deadlines

Payment deadlines for the summer 2021 semester.

Date Enrolled in Classes	Payment Due Date
March 8 to May 8, 2021	May 24, 2021 *Your payment is due on this date to avoid being dropped from your classes.*
May 9 or later	The next day after enrollment date*

* To make sure students who enroll during open enrollment have sufficient time to pay for classes during the pandemic, we will not drop students for non-payment if they enroll in classes on May 9 or later. However, students who have unpaid fees after the end of the term will receive a hold preventing future enrollment until payment is received.

Fall 2021 Payment Deadlines

Payment deadlines for the fall 2021 semester.

Date Enrolled in Classes	Payment Due Date
April 19 to July 23, 2021	August 7, 2021 *Your payment is due on this date to avoid being dropped from your classes.*
July 24 or later	The next day after enrollment date*

* To make sure students who enroll during open enrollment have sufficient time to pay for classes during the pandemic, we will not drop students for non-payment if they enroll in classes July 24 or later. However, students who have unpaid fees after the end of the term will receive a hold preventing future enrollment until payment is received.

Spring 2022 Payment Deadlines

Payment deadlines for the spring 2022 semester.

Date enrolled in classes	Payment Due Date
November 22 to December 21, 2021	January 4, 2022
December 22, 2021 or later	The next day after enrollment date*

* To make sure students who enroll during open enrollment have sufficient time to pay for classes during the pandemic, we will not drop students for non-payment if they enroll in classes on or after December 22. However, students who have unpaid fees after the end of the term will receive a hold preventing future enrollment until payment is received.

A Note About Financial Aid

Not all your financial aid awards are automatically applied to your fees (the California College Promise Grant is an example of financial aid that *is* automatically applied). After you have applied your financial aid, you are responsible for paying the remaining amount on your account.

Make sure you apply for financial aid as early as possible and review the financial aid deadlines (https://scc.losrios.edu/financial-aid-deadlines).

How to Pay for Classes

Pay your tuition and fees using any of the following methods:

1. Online through eServices (https://ps.losrios.edu/student/signon.html) with a credit card
2. By mail with a check
    - Make checks payable to Los Rios Community College District.
    - Mail your check to the Business Services office.
    - Make sure to include your student ID number and "enrollment fees" on the check's subject line.
3. In person (note: this option is ***not available*** while campuses are closed in response to COVID-19)
    - Visit Sacramento City College's Business Services Office and pay with check, cash, or credit card.
4. Using the student payment plan (https://scc.losrios.edu/admissions/cost-of-attendance/student-payment-plan)
    - Pay your fees over a few months instead of all at once. There is a non-refundable $15 fee each semester you use the student payment plan.

Debts Owed to College

Should a student or former student fail to pay a debt owed to the institution, the institution may withhold permission to any combination of the following from any person owing a debt until the debt is paid (Title 5, California Code of Regulations, Sections 42380 and 42381)

- Register
- Use facilities for which a fee is authorized to be charged
- Receive services, materials, food, or merchandise

If a student believes they do not owe all or part of an unpaid obligation, the student should contact the Business Services office.

Federal Education Tax Credits

Students (or parents of dependent students) may be able to obtain federal tax credits (including the American Opportunity Credit and Lifetime Learning Credit) for enrollment fees if the student:

- Is enrolled in at least six (6) units during any semester or summer session
- Meets the other conditions prescribed by federal law

Students who consent to online access can view and print the IRS Form 1098-T through eServices by January 31 of each year. For eligible students who do not consent to online access, the IRS Form 1098-T will be mailed by January 31.

Who Does Not Receive the 1098-T

Students will not receive a 1098-T if any of the following apply:

- The student (or parents of dependent students) did not pay qualified educational expenses in the previous tax year.
- The student received a Promise Grant (which waived their enrollment fees).
- The student is an international student who does not have a social security number (SSN) or individual taxpayer identification number (ITIN).

Fee Refunds

What Fees are Refundable?

Refundable Fees

- Resident enrollment and tuition fee
- Non-resident enrollment and tuition fee
- Universal transit pass (UTP) fee
- Student representation fee
- Health services fee
- Semester parking permit fee

Non-Refundable Fees

- Foreign student application fee
- Daily parking permit fee

How to Get a Refund

Refunds for Enrollment and Tuition Fees

Follow these steps to get a refund for enrollment and tuition fees:

1. **Drop your class(es) by the deadline.** After your class is dropped, money is credited to your eServices account. Keep all documentation that shows the date your class was officially dropped.
2. **Request a refund in eServices (https://scc.losrios.edu/admissions/financial-aid-and-fees/tuition-and-fees/refunds/refund-application-instructions) to get the money out of your eServices account by the deadline.**

Refunds for Health Services Fee

Follow these steps to get a refund for the health services fee:

1. **Drop all of your class(es) by the deadline.** After your class is dropped, money is credited to your eServices account. Keep all documentation that shows the date your class was officially dropped.
2. **Request a refund in eServices (https://scc.losrios.edu/admissions/financial-aid-and-fees/tuition-and-fees/refunds/refund-application-instructions) to get the money out of your eServices account by the deadline.**

Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization – or students who receive the California College Promise Grant Part A – can refuse to pay this fee. To be exempted from paying the fee, submit the Health Services Fee Exemption Form (https://losrios.edu/hsf) before the last day of the semester.

Refunds for Semester Parking Permits

Sacramento City College is **not issuing parking permits during summer 2021, fall 2021, or spring 2022 semesters**. Therefore, we are not issuing refunds for parking permits.

Refunds for Student Representation Fee

Follow these steps to get a refund for the student representation fee:

1. **Drop all of your class(es) by the deadline.** After your class is dropped, money is credited to your eServices account. Keep all documentation that shows the date your class was officially dropped.
2. **Request a refund in eServices (https://scc.losrios.edu/admissions/financial-aid-and-fees/tuition-and-fees/refunds/refund-application-instructions) to get the money out of your eServices account by the deadline.**

Students can refuse to pay this fee based on moral, religious, political, or financial grounds. To be exempted from paying the fee, submit the Student Representation Fee Exemption Form (https://losrios.edu/srf) before the last day of the semester (but preferably before you pay your fees).

Refunds for UTP Fee

*Please note: the following is **not applicable during the summer 2021 and fall 2021 semesters**. Because Sacramento Regional Transit is issuing Universal Transit Passes directly to students who request one, we will not be providing refunds for UTPs.*

Spring 2022

Beginning in spring 2022 – with the introduction of the digital UTP/ZipPass (https://scc.losrios.edu/student-resources/technology-resources/apps-and-software-for-students/sacramento-regional-transit-zippass/universal-transit-pass) – students who drop all units by the deadline are eligible to receive a full Universal Transit Pass (UTP) refund. *Students who request a physical version of the spring 2022 UTP are not eligible for a UTP refund.*

Follow these steps to get a refund for the UTP fee:

1. **Drop your class(es) by the deadline.** After your class is dropped, money is credited to your eServices account. Keep all documentation that shows the date your class was officially dropped.
2. **Request a refund (https://scc.losrios.edu/admissions/financial-aid-and-fees/tuition-and-fees/refunds) to get the money out of your eServices account by the deadline.** You can submit this request online.

Important Information About Refunds

Credit Balances in eServices

Money in your eServices account is not automatically refunded to you. If you have a credit balance in your eServices account and you do not request a refund by the last day of instruction of the semester, then you forfeit that money.

Exceptions for Military Students

If you have to withdraw from classes for military purposes, then you will be refunded 100% of your fees and tuition. This is true even if you drop after the deadline or request your refund after the end of the semester.

How long will it take to get my refund?

Refunds are issued within six to eight weeks. If you paid by credit card, then a refund will be issued to the credit card you paid with. All other methods of payment will be refunded by check and mailed to the address on file with Admissions and Records.

While You Are Here

Available Learning Resources

- Advanced Education (https://scc.losrios.edu/x25977.xml)
- Bookstore (https://www.bkstr.com/losriosstore)
- Business Services (https://scc.losrios.edu/student-resources/support-services/business-services)
- CalWORKs (https://scc.losrios.edu/student-resources/calworks)
- Career Center (https://scc.losrios.edu/academics/internships-and-career-services/career-center)
- Child Development Center (https://scc.losrios.edu/student-resources/child-development-center)
- CityHub (https://cityhub.auntbertha.com/)
- Counseling (https://scc.losrios.edu/student-resources/counseling-and-transfer)
- Cultural Engagement Centers (https://scc.losrios.edu/student-resources/cultural-engagement-centers)
- Disability Services and Programs for Students (DSPS) (https://scc.losrios.edu/student-resources/dsps)
- EOPS, CARE and NextUp (https://scc.losrios.edu/student-resources/eops-care-nextup)
- Financial Aid (https://scc.losrios.edu/admissions/financial-aid-and-fees)
- Health and Wellness Services (https://scc.losrios.edu/campus-life/health-and-safety/student-health-and-wellness-services)
- Honors Program (https://scc.losrios.edu/why-scc/transfer-to-a-four-year-institution/honors-program)
- International Students (https://scc.losrios.edu/student-resources/support-services/international-student-center)
- Library (https://scc.losrios.edu/student-resources/library)
- MESA (https://scc.losrios.edu/student-resources/mesa)
- Office of Intervention (https://scc.losrios.edu/student-resources/support-services/campus-interventions-office)
- Puente Project (https://scc.losrios.edu/student-resources/cultural-engagement-centers/puente-project)
- Re-Emerging Scholars Center (https://scc.losrios.edu/student-resources/support-services/re-emerging-scholars-center)
- RISE (https://scc.losrios.edu/student-resources/support-services/rise)
- STEM Equity and Success Initiative (SESI) (https://scc.losrios.edu/student-resources/stem-equity-and-success-initiative-(sesi))
- Student Tech Support Desk (https://scc.losrios.edu/student-resources/technology-resources/technology-support/student-tech-support-desk)
- Transfer Center (https://scc.losrios.edu/student-resources/counseling-and-transfer/transfer-center)
- Tutoring (https://scc.losrios.edu/student-resources/tutoring)
- Umoja (https://scc.losrios.edu/student-resources/cultural-engagement-centers/umoja-sba)
- Veterans Resource Center (https://scc.losrios.edu/student-resources/veterans/veterans-resource-center)
- Work Experience and Internship Program (https://scc.losrios.edu/academics/internships-and-career-services/work-experience-and-internship-program)

Financial Aid

Get the Financial Help You Need

Money shouldn't get in the way of getting a college education. The Financial Aid Office is here to help you get the financial support you need to afford college.

Financial Aid Eligibility

Generally, to be eligible for financial aid, students must:

- Demonstrate financial need (for most programs)
- Be a US citizen or an eligible non-citizen
- Have a valid Social Security number (with the exception of students from the Republic of the Marshall Islands, Federated States of Micronesia, or the Republic of Palau)
- Be registered with Selective Service (https://scc.losrios.edu/2021-2022-official-catalog/while-you-are-here/financial-aid#ss), if you're a male (you must register between the ages of 18 and 25)
- Be enrolled or accepted for enrollment as a regular student in an eligible degree or certificate program
- Be enrolled at least half-time to be eligible for Direct Loan Program funds
- Maintain satisfactory academic progress

- Sign the certification statement on the Free Application for Federal Student Aid (FAFSA) stating that:
  - You are not in default on a federal student loan and do not owe money on a federal student grant
  - You will use federal student aid only for educational purposes
- Show you're qualified to obtain a college or career school education by one of the following:
  - Having a high school diploma or a recognized equivalent such as a General Educational Development (GED) certificate
  - Completing a high school education in a homeschool setting approved under state law (or – if state law does not require a homeschooled student to obtain a completion credential – completing a high school education in a homeschool setting that qualifies as an exemption from compulsory attendance requirements under state law)
  - Enrolling in an eligible career pathway program and meeting one of the ability-to-benefit alternatives (https://scc.losrios.edu/2021-2022-official-catalog/while-you-are-here/financial-aid#benefit)

Registering for Selective Service

Most male students must be registered with Selective Service to receive federal student aid. You also must register if you are a male and are not currently on active duty in the US armed forces. If you are a citizen of the Federated States of Micronesia, the Republic of the Marshall Islands or the Republic of Palau, then you are exempt from registering for selective service.

You can call Selective Service toll-free at (888) 655-1825 for general information about registering, register for selective service online (https://www.sss.gov), or register for selective service when you submit your Free Application for Federal Student Aid (FAFSA) (https://studentaid.gov/h/apply-for-aid/fafsa).

Ability-to-Benefit Alternatives

If you were enrolled in college or career school prior to July 1, 2012, or if you are currently enrolled in an eligible career pathway program*, then you may show you're qualified to obtain a higher education by one of the following:

- Passing an approved ability-to-benefit test* (if you don't have a diploma or GED, a college can administer a test to determine whether you can benefit from the education offered at that school)
- Completing six credit hours or equivalent course work toward a degree or certificate (you may not receive aid while earning the six credit hours)

*For more information about these criteria, talk to the Financial Aid Office.

Contact Financial Aid Office

Email: financialaid@scc.losrios.edu

Phone: (916) 558-2501

Fax: (916) 650-2784

For additional contact information, location information, and hours, visit the Financial Aid Webpage (https://scc.losrios.edu/student-resources/financial-aid).

Free Application for Federal Student Aid

What is FAFSA?

The Free Application for Federal Student Aid (FAFSA) (https://studentaid.gov/h/apply-for-aid/fafsa) is a form you fill out to get financial aid. Financial aid includes fee waivers, grants, work-study, loans, and scholarships. Submit the FAFSA each year you are in college – it only takes about 30 minutes to complete when you are prepared.

Though undocumented students cannot apply for aid through the FAFSA, they may be eligible for state financial aid through the California Dream Act (https://dream.csac.ca.gov/).

Deadline to Submit FAFSA

Submit the FAFSA as early as you can. This will help you figure out how to pay for college before classes begin.

Academic Year 2021-2022

The 2021-2022 academic year includes fall 2021, spring 2022, and summer 2022.

- Date FAFSA available: October 1, 2020
- Deadline to submit FAFSA: March 2, 2021*
- Tax filing year to use for FAFSA: 2019

* You can submit the FAFSA after the "Deadline to Submit" date until June 30 of the following year, but priority is given on a first-come, first-served basis. You may not be considered for a Cal Grant if you submit your application after this date.

Federal School Code

Sacramento City College's federal school code is **001233**. Make sure you include this on your FAFSA if you want to receive financial aid at Sacramento City College.

California Dream Act Application

The California Dream Act is a law that allows undocumented and nonresident students (US citizens and eligible non-citizens) who qualify for a non-resident exemption under Assembly Bill 540 (AB 540) to receive certain types of financial aid. The California Dream Act is unrelated to the federal Deferred Action for Childhood Arrivals (DACA) program.

Instead of submitting the Free Application for Federal Student Aid (FAFSA), students for whom any of the following are true can submit the California Dream Act Application (https://dream.csac.ca.gov/) (CADAA) to receive financial aid. You are eligible to complete the CADAA if you:

- Are undocumented
- Have a valid or expired DACA status
- Are a U visa holder
- Have Temporary Protected Status (TPS)
- Meet the non-resident exemption requirements under AB 540

Financial Aid Available for Undocumented Students

Undocumented students may qualify for the following types of financial aid:

- State grants, including the California College Promise Grant (formerly BOG Fee Waiver), Cal Grants, Chafee Grants, and Student Success Completion Grant
- Assistance from EOPS, CARE, or CalWORKs
- Some scholarships
- Los Rios Promise Program

Promise Programs

Los Rios Promise

At Sacramento City College, we believe in you and your goals, and we want to see you achieve them – that's why we're making the Los Rios Promise. Promise programs offer first-time, full-time students up to two years of tuition-free education at any Los Rios college.

The Los Rios Promise covers tuition for 12 to 18 units but does not cover the cost of books or other fees. Learn about other types of financial aid (https://scc.losrios.edu/student-resources/financial-aid/types-of-financial-aid) that can help cover your expenses.

Deadline for Los Rios Promise Program Enrollment and FAFSA Completion

Eligible students must enroll in classes and submit the FAFSA/CADAA by the following deadlines to receive Los Rios Promise funds:

2021-2022

Summer 2021: June 16, 2021
Fall 2021: September 7, 2021
Spring 2022: January 31, 2022

Eligibility

To be eligible for the Los Rios Promise, you must:

- Be a California resident
- Be a first-time college student*
- Enroll in and maintain at least 12 units for fall and spring semesters by the deadline
- Complete the Free Application for Federal Student Aid (FAFSA) or the California Dream Act Application (CADAA) by the deadline

* Courses taken during high school (through dual enrollment or advanced education) are considered "pre-college" and do not prevent you from taking advantage of the Los Rios Promise. Students who transfer from a college other than a Los Rios college may eligible upon review by the Financial Aid Office.

The Los Rios Promise program is limited to two award years. Summer is the beginning of an award year. One award year is equal to summer, fall, and spring. Enrollment in any one term within the award year would be considered one of the two award years for the Promise program.

Los Rios Promise Funds for Summer Tuition Fees

To use Los Rios Promise funds to pay for your summer tuition fees, you must enroll in 12 or more units for the summer term by the Los Rios Promise Program Enrollment and FAFSA Completion deadline.

Eligibility for Mid-Year First-Time New and Second Year Recipients

Students are only eligible for the Los Rios Promise Program for two award years beginning with their initial enrollment in the summer/fall term. Students whose first enrollment is the spring term will only be eligible for 1.5 years (**not** the full two years), provided that they meet the enrollment and FAFSA completion deadline.

To apply for the Los Rios Promise Program for a second year, students must complete a new FAFSA and be enrolled in 12 or more units on the enrollment deadline. Students who are transferring in from another California community college must contact the Financial Aid office. Students transferring from a college or university outside of California are not eligible for the Los Rios Promise Program.

West Sacramento Promise

Residents of the City of West Sacramento who graduated from a Washington Unified School District high school within the last 6 months will be able to attend two years at any Sacramento City College location (Main Campus, West Sacramento Center, or Davis Center) fee-free (12 or more units).

Grants

What Is a Grant?

A grant is money given to you by the federal or state government that you don't usually have to pay back.

Types of Grants for Community College Students

Learn more about the types of grants available to community college students, eligibility, and how and when to apply.

Cal Grant B

Cal Grant B is a need-based program and provides free money to low-income students who are:

- Enrolled in a program of study resulting in an associate, baccalaureate degree, or certificate of at least 24 semester units in length
- Enrolled and attending at least six eligible units per semester

How to Apply

- Complete the FAFSA (https://studentaid.gov/h/apply-for-aid/fafsa) or the California Dream Act Application (https://dream.csac.ca.gov/) (CADAA) by March 2.
- Submit a Verified Cal Grant GPA (https://www.csac.ca.gov/post/cal-grant-gpa-verification-form) (high school GPA or community college GPA) to the California Student Aid Commission (CSAC) by March 2. Please note:
  - California community colleges have a second deadline – September 2 – for some types of Cal Grant.
  - Sacramento City College submits electronically-eligible GPAs.
- Create an account at Web Grants for Students (https://mygrantinfo.csac.ca.gov/) after you submit your FAFSA or CADAA to review your award status.

After you submit your completed FAFSA/CADAA and high school GPA, then you will be considered (by CSAC) for the appropriate Cal Grant award based on GPA, financial need, and college of attendance.

Eligibility and Grant Amounts

See CSAC Cal Grant eligibility requirements (https://www.csac.ca.gov/cal-grants).

Dependent students or independent students without dependent children receive up to $1,656 annually; students with dependent children younger than 18 years of age (Students With Dependents annual certification required*) receive up to $6,008 annually. Awards are pro-rated according to eligible enrollment as per the following semester-based chart:

Student Type	Full-Time Amount	¾-Time Amount	½-Time Amount	Less than ½-Time Amount
Dependent Students or Independent without Dependent Children	$828	$621	$414	$0
Students with Dependent Children*	$3,004	$2,253	$1,502	$0

*See CSAC students with dependents information (https://www.csac.ca.gov/students-dependents).

Cal Grant Recalculation Dates (CRD) apply – see financial aid deadlines (https://scc.losrios.edu/financial-aid-deadlines).

In addition, awarded Cal Grant B students enrolled in 12 or more eligible units per semester might become eligible to receive the additional Student Success Completion Grant (SSCG). Students enrolled in 12 to 14.99 units will receive $649 SSCG for that semester. Students enrolled in 15 or more units will receive $2,000 for that semester.

Cal Grant C

Cal Grant C is a need-based program and provides free money to low-income students who are:

- Pursuing an occupational or technical program of least four months in length
- Enrolled and attending at least six eligible units per semester

How to Apply

- Complete the FAFSA (https://studentaid.gov/h/apply-for-aid/fafsa) or the California Dream Act Application (https://dream.csac.ca.gov/) (CADAA) by March 2.
- Create an account at Web Grants for Students (https://mygrantinfo.csac.ca.gov/) after you submit your FAFSA or CADAA to review your award status.

If the California Student Aid Commission (CSAC) determines you eligible for a Cal Grant C, then they will contact you to complete the Cal Grant C Supplement Form and return to the CSAC by the requested deadline.

Eligibility and Grant Amounts

See CSAC Cal Grant eligibility requirements (https://www.csac.ca.gov/cal-grants).

Dependent students or independent students without dependent children receive up to $1,094 annually; students with dependent children younger than 18 years of age (Students With Dependents annual certification required*) receive up to $4,000 annually. Awards are pro-rated according to eligible enrollment as per the following semester-based chart:

Student Type	Full-Time Amount	¾-Time Amount	½-Time Amount	Less than ½-Time Amount
Dependent Students or Independent without Dependent Children	$547	$410	$274	$0
Students with Dependent Children*	$2,000	$1,500	$1,000	$0

* See CSAC students with dependents information (https://www.csac.ca.gov/students-dependents).

Cal Grant Recalculation Dates (CRD) apply – see financial aid deadlines (https://scc.losrios.edu/financial-aid-deadlines).

In addition, awarded Cal Grant C students enrolled in 12 or more eligible units per semester might become eligible to receive the additional Student Success Completion Grant (SSCG). Students enrolled in 12 to 14.99 units will receive $649 SSCG for that semester. Students enrolled in 15 or more units will receive $2,000 for that semester.

California College Promise Grant

The California College Promise Grant (formerly BOG Fee Waiver) is just for California community college students and does not have to be repaid.

What It Covers

The California College Promise Grant waives enrollment fees for eligible students. It does not cover the cost of books or other expenses.

Eligibility

You may qualify for the California College Promise Grant if you are a California resident or are exempt from nonresident fees under AB 540 **and** you meet the criteria of Type A, Type B, or Type C described below.

Type A

You are receiving Temporary Aid For Needy Families (TANF), Supplemental Security Income (SSI/SSP), or General Assistance.

Type B

You meet the income standards listed below. Please note:

- Family size means the number of people in your household, including yourself
- Total family income means adjusted gross income and/or untaxed income for the year listed

Family Size	2018 Total Family Income (for 2020-2021 school year)	2019 Total Family Income (for 2021-2022 school year)
1	$18,735	$19,140
2	$25,365	$25,860
3	$31,995	$32,580
4	$38,625	$39,300
5	$45,255	$46,020
6	$51,885	$52,740
7	$58,515	$59,460
8	$65,145	$66,180
Note	For each additional family member, add $6,630	For each additional family member, add $6,720

Type C

You submitted the Free Application for Federal Student Aid (FAFSA) or the California Dream Act application (for AB 540 students who are not US citizens or eligible non-citizens) and it shows you have unmet financial need.

How to Apply

To apply, fill out the California College Promise Grant (https://home.cccapply.org/money/california-college-promise-grant) application online. Alternatively, you can fill out the application below and return the completed application to Sacramento City College's Financial Aid Office.

- 2021-2022 California College Promise Grant Application – English (shared/doc/financial-aid/forms/21-22-ccpg-application-english.pdf) (For Summer 2021, Fall 2021, Spring 2022)
- 2021-2022 California College Promise Grant Application – Spanish (shared/doc/financial-aid/forms/21-22-ccpg-application-spanish.pdf) (For Summer 2021, Fall 2021, Spring 2022)

Maintaining the California College Promise Grant

If you qualify for the California College Promise Grant, then make sure you continue to meet the the following academic and progress standards to keep receiving the grant funds.

- **Academic**: Maintain a grade point average (GPA) of 2.0 or higher. If your cumulative GPA falls below 2.0 for two consecutive primary terms (fall/spring semesters), then you may lose your grant eligibility.
- **Progress**: Complete more than 50% of your coursework. If the cumulative number of units you complete is not more than 50% in two consecutive primary terms (fall/spring semesters, or fall/winter/spring quarters), then you may lose your grant eligibility.
- **Combination of academic and progress standards**: Any combination of two consecutive terms of cumulative GPA below 2.0 and/or cumulative unit completion of not more than 50% may result in loss of grant eligibility.

Chafee Grant for Foster Youth

Chafee Grants are awarded by the State of California to current or former foster youth. Chafee Grants do not have to be repaid.

What it Covers

A Chafee Grant can be used to pay for tuition, fees, books, supplies, transportation, living expenses, and child care.

Eligibility

To qualify for a Chafee Grant, you must meet the following criteria:

- You are a current or former foster youth who was a ward of the court, living in foster care, for at least one day between the ages of 16 and 18
- If you are or were in Kin-GAP, a non-related legal guardianship, or were adopted, you are only eligible if you were a dependent or ward of the court, living in foster care, for at least one day between the ages of 16 and 18
- You have not reached your 26th birthday as of July 1 of the award year
- You have not participated in the program for more than five years (consecutive or otherwise)

How to Apply

To apply for a Chafee Grant, you must submit the following each year you are eligible:

- FAFSA (https://studentaid.gov/h/apply-for-aid/fafsa) or the California Dream Act (https://dream.csac.ca.gov/) application (if you do not have a social security number)
- The Chafee Grant (https://chafee.csac.ca.gov) application

Federal Pell Grant

Federal Pell Grant are awarded by the federal government and do not have to be repaid.

What it Covers

Federal Pell Grant can be used for tuition, fees, books, supplies, transportation, living expenses, and child care.

Eligibility

Federal Pell Grant is based on financial need, cost of attendance, the number of financial aid eligible units enrolled, and how long you plan to attend college. Eligible students can receive the Federal Pell Grant for up to six years (12 full-time semester or the equivalent), or 600%.

Pell Grant are usually only given to undergraduate students who have not earned a bachelor's degree or higher. In some cases, a student enrolled in a post-baccalaureate teacher certification program can receive a Federal Pell Grant. You are not eligible to receive a Pell Grant if you are incarcerated or are subject to an involuntary civil commitment upon completion of a period of incarceration for a forcible or non-forcible sex offense.

DACA and undocumented AB 540 students are not eligible to receive Federal Pell Grant.

How to Apply

Submit the FAFSA (https://studentaid.gov/h/apply-for-aid/fafsa) every year to see if you qualify for a Federal Pell Grant. The amount of other student aid you qualify for does not affect the amount of your Federal Pell Grant.

Federal Supplemental Educational Opportunity Grant (FSEOG)

Federal Supplemental Educational Opportunity Grants are awarded by the federal government and do not have to be repaid.

What it Covers

A FSEOG can be used for tuition, fees, books, supplies, transportation, living expenses, and child care. You can receive $100 to $600 per year.

Eligibility

FSEOGs are awarded based on financial need, how early you apply, number of financial aid eligible units enrolled, and total amount of Financial Aid.

FSEOGs are only given to undergraduate students who have not earned a bachelor's or a professional degree.

DACA and AB 540 students are not eligible to receive FSEOGs.

How to Apply

Submit the FAFSA (https://studentaid.gov/h/apply-for-aid/fafsa) each year to see if you qualify for a FSEOG. Sacramento City College has a limited amount of FSEOG funds, so make sure you submit your FAFSA as early as possible.

Student Success Completion Grant (SSCG)

What it Covers

The Student Success Completion Grant (SSCG) provides up to $4,000 per year to pay for educational costs.

Eligibility

To qualify for a SSCG, you must be:

- A Cal Grant B or C recipient
- Enrolled in at least 12 units each semester

Students enrolled in 12 to 14.99 units will receive $649 for that semester. Students enrolled in 15 or more units will receive $2,000 for that semester.

Cal Grant Recalculation Date (https://scc.losrios.edu/student-resources/financial-aid/financial-aid-deadlines) will be applied to determine course enrollment eligibility.

How to Apply

Students who qualify will be notified. No additional application is necessary for eligibility for the SSCG.

Federal Work-Study

What is Federal Work-Study?

The Federal Work-Study (FWS) program provides jobs to students to help them pay for their educational expenses.

Eligibility

To be eligible, you must:

- Have a complete financial aid file
- Have unmet financial need
- Be enrolled in at least six financial aid course eligible units at Sacramento City College*
- Maintain satisfactory academic progress

*If you are enrolled at multiple Los Rios colleges, then you must have an approved consortium on file for those units to be counted towards your enrollment status.

You are not guaranteed a FWS job just because you are eligible for FWS. FWS jobs are limited, so make sure you apply for a FWS job as early as possible.

Hours

FWS students work an average of 17 hours per week during the fall and spring semesters. Students may be employed for no more than 26 hours per week during a semester and no more than 40 hours per week between semesters. The number of hours may change depending on the needs of the department. Summer FWS hours are based on funding availability.

You may not work more than the number of hours you were awarded.

Pay

FWS students are paid an hourly rate at minimum wage. On average, FWS students earn up to $7,000 during the school year. Paychecks are distributed on the tenth of each month.

Disclaimer

We reserve the right to reduce your FWS award at the end of the fall or spring semester for hours not worked or due to ineligibility. Your FWS award may also be reduced if your financial need changes. You will be notified of any change via email and it is your responsibility to notify your supervisor of the change.

Federal Direct Loans

What is a Federal Direct Loan?

A federal direct loan is money you borrow from the government that you have to pay back with interest. We encourage students to apply for grants and scholarships before taking out a student loan. A loan is a serious and long-term obligation.

Loan Eligibility

To be eligible for a federal student loan, you must:

- Submit the Free Application for Federal Student Aid (FAFSA) (https://studentaid.gov/h/apply-for-aid/fafsa)
- Demonstrate that you are qualified to enroll in college by one of the following means:
    - You have a high school diploma
    - You have a General Education Development (GED) Certificate

    - You passed the California High School Proficiency Exam (CHSPE)
- Be a US citizen or eligible non-citizen with a social security number (SSN)
- Be enrolled in an eligible degree or certificate program
- Be enrolled in six units that apply toward the completion of your program
- Maintain satisfactory academic progress
- Register with the US Selective Service (for males age 18 to 25)
- Have never been convicted of selling or possessing illegal drugs
- Certify that you will use federal financial aid only for educational purposes
- Certify that you are not in default on a federal student loan and do not owe money on a federal student grant

All borrowers must sign the Master Promissory Note (MPN) annually. New borrowers must also complete entrance loan counseling through the Student Aid website (https://studentaid.gov/entrance-counseling/).

Types of Federal Loans

Subsidized Direct Loans

Subsidized direct loans are given to eligible students who demonstrate financial need.

The federal government pays the interest on subsidized loans while you are enrolled in school at least half-time (six units in the fall or spring semester; three units in the summer semester). If you graduate, drop below half-time, or withdraw from school, then you have a six-month grace period where the federal government will continue to pay the interest on your loan. After the six-month grace period, you are responsible for paying the interest on your loan.

Unsubsidized Direct Loans

Unsubsidized direct loans are given to eligible students, regardless of their financial need. The combined amount of an unsubsidized direct loan and all other financial aid that you receive cannot exceed the cost of attendance.

Interest accrues from the time the loan is disbursed, and interest payments begin immediately but can be deferred until you are done with school. It is advantageous to pay the interest while you are in school. This way, the debt will be the principal amount only when repayment begins. Regular monthly payments begin six months after you graduate, drop below half-time status, or withdraw from school.

Annual Loan Limits

Year	Dependent Students (except students whose parents are unable to obtain PLUS Loans)	Independent Students (and dependent undergraduate students whose parents are unable to obtain PLUS Loans)
First-Year Undergraduate Annual Loan Limit	$5,500 – no more than $3,500 of this amount may be in subsidized loans.	$9,500 – no more than $3,500 of this amount may be in subsidized loans.
Second-Year Undergraduate Annual Loan Limit	$6,500 – no more than $4,500 of this amount may be in subsidized loans.	$10,500 – no more than $4,500 of this amount may be in subsidized loans.
Subsidized and Unsubsidized Aggregate Loan Limit	$31,000 – no more than $23,000 of this amount may be in subsidized loans.	$57,500 for undergraduates – no more than $23,000 of this amount may be in subsidized loans.

Borrower's Rights and Responsibilities

When you accept a loan, you accept legal rights and responsibilities that last until the loan is repaid.

Borrower's Rights

You have the right to:

- Receive a copy of your promissory note either before or at the time the loan is made
- Receive a disclosure statement before repayment on your loan begins, including information about:
    - Interest rates
    - Fees
    - Loan balance

    - The number of payments
    - The amount of each payment

- A grace period after you leave school or drop below half-time status and before your loan payments begin (if applicable)
- Prepay all or part of your loans without a repayment penalty
- Receive written notice if your loan is sold to a new holder
- Apply for deferment for your loan payments for certain specified periods (if eligible)
- Request forbearance from the holder of your loan if unable to make payments and don't qualify for deferment
- Receive proof when your loan is paid in full

Borrower's Responsibilities

You agree to:

- Repay your loan(s), including accrued interest and fees, even if you do not:
    - Complete or find satisfaction in your education
    - Complete the program within the regular timeframe
    - Obtain employment
- Attend exit counseling before you leave school or drop below half-time enrollment
- Notify your loan holder within ten days if you:
    - Change your name, address, or phone number
    - Drop below half-time status
    - Withdraw from school
    - Transfer to another school
    - Change your graduation date
- Direct all correspondence to your loan holder or servicer
- Make monthly payments on your loan after leaving school, unless you are granted a deferment or forbearance
- Notify your loan holder of anything that might change your eligibility for an existing deferment

Loan Exit Counseling

All students who receive a loan must complete mandatory online loan exit counseling through the Department of Education. Loan exit counseling provides important information regarding repayment, deferment, and default prevention.

How to Complete Loan Exit Counseling

Visit the Student Aid website to complete loan exit counseling (https://studentaid.gov/exit-counseling/). You will need your FAFSA PIN to complete the loan exit counseling. Be sure to select Sacramento City College (federal school code: 001233) when asked, otherwise the Financial Aid Office will not receive confirmation that you completed the requirement.

When to Complete Loan Exit Counseling

Loan recipients must complete loan exit counseling when they do any of the following:

- Withdraw from college
- Drop below half-time units
- Transfer to another college
- Graduate

Failure to complete loan exit counseling may result in the delay of your financial aid processing.

Scholarships

What is a Scholarship?

A scholarship is money given to you to help pay for your education or related expenses. Scholarships come from a variety of sources, such as your college or a private organization.

Examples of types of scholarships:

- Merit scholarships are based on a student's achievements.
- School scholarships are given to students by the school they attend.
- Work scholarships require students to work to receive scholarship money.
- Field of Study scholarships are given to students pursuing a specific field of study or academic program.
- Need scholarships are based on financial need.

The Financial Aid office maintains a list of local, state, and national scholarships. Enrollment verification is usually required.

Learn More About Scholarships (https://scc.losrios.edu/scholarships)

College and Academic Regulations

Academic Freedom

Statement of Principles on Academic Freedom (American Association of University Professors)

- The purpose of this statement is to promote public understanding and support of academic freedom and tenure and agreement upon procedures to ensure them in colleges and universities. Institutions of higher education are conducted for the common good and not to further the interest of either the individual teacher or the institution as a whole. The common good depends upon the free search for truth and its free exposition.
- Academic freedom is essential to these purposes and applies to both teaching and research. Freedom in research is fundamental to the advancement of truth. Academic freedom in its teaching aspect is fundamental for the protection of the rights of the teacher in teaching and the freedom of the student in learning. It carries with it duties correlative with rights.
- Teachers are entitled to freedom in the classroom in discussing their subject, but they should be careful not to introduce into their teaching controversial matter, which has no relation to their subject.
- College and university teachers are citizens, members of a learned profession, and officers of an educational institution. When they speak or write as citizens, they should be free from institutional censorship or discipline, but their special position in the community imposes special obligations. As scholars and educational officers, they should remember that the public may judge their profession and their institution by their utterances. Hence they should at all times be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that they are not speaking for the institution.

Academic Honors

The distinction of honors and highest honors is noted on a student’s transcript for each semester in which a student has enrolled in twelve (12) units or more, and has earned a grade point average (GPA) of at least 3.0 (honors) or 3.5 or higher (highest honors). Students earning highest honors will be notified by email of their eligibility to join the honor society, Phi Theta Kappa.

Honors at Graduation

Students who maintain a high grade point average are eligible for honors at graduation. Students who maintain a grade point average of 3.0 or better are eligible for graduation with honors, and students who maintain a grade point average of 3.5 or better are eligible for graduation with highest honors. All college coursework that a student has completed is used to calculate honors at graduation (including coursework taken outside of Los Rios). The published lists of students are compiled from the data available at the time of publication and may be subject to subsequent revision.

Academic Renewal Without Course Repetition

A student may petition to have previous sub-standard grades (a D or F) earned at Sacramento City College discounted. Courses and grades which no longer reflect a student's current educational objective and current level of academic success may upon petition be discounted in the computation of the grade point average (Title 5, Section 55046). The following conditions must apply:

- A minimum of twelve (12) consecutive months shall have elapsed since the end of the semester or summer session in which the work to be alleviated was recorded; and a minimum of twelve (12) semester units (or its equivalent) with a grade of C or Pass/Credit or better shall have been attained. The coursework must have been completed at a regionally accredited college.
- Current educational objectives must be discussed with a counselor and the counselor's recommendation must be included on the petition.
- No more than thirty (30) units of substandard grades may be discounted.
- Under no circumstances may course work be discounted if it was used to fulfill requirements for a degree or certificate that has been awarded.
- All grades remain on the permanent record and transcript of grades. However, a proper notation on the transcript will indicate the specific grades that were discounted from the grade point average.
- Once elected, the academic renewal cannot be reversed.
- Academic renewal is not intended for courses that are required and/or will be repeated.

Students with questions regarding this policy or who want to initiate a petition should contact the Counseling office.

Attendance

For students to successfully complete their college work, regular class attendance is necessary, and students are expected to attend all sessions of classes in which they are enrolled (Los Rios Regulation R-2222 (shared/doc/board/regulations/R-2222.pdf)).

All students who remain enrolled in a class after the last day to withdraw (see the academic calendar (https://scc.losrios.edu/academic-calendar)) will be issued a letter grade for the course. If a student has stopped attending but not dropped the class, the student may receive an F grade for the course on their permanent record. Exception to this policy involves completion of the Student Petition, with appropriate signatures and documentation of extenuating circumstances.

Excessive Absences

Students are expected to attend all sessions of the class in which they are enrolled. Any student with excessive absences may be dropped from class (Title 5, Section 58004).

Per Los Rios Regulation R-2222, a student may be dropped from any class when that student's absences exceed six percent (6%) of the total hours of class time. Instructors shall state in each course syllabus what constitutes excessive absences for that course.

Non-Attendance at First Class

Per Los Rios Regulation R-2222, students who fail to attend the first session of a class may be dropped by the instructor.

Auditing Courses

Sacramento City College does not permit auditing of classes. Auditing is defined as attending a course without having enrolled in the course, without responsibility for completing assignments, and without receiving a grade or credit.

Catalog Rights

For the purpose of graduating or earning a certificate from any college in the Los Rios Community College District, a student who attends at least one session (whether quarter, semester, or summer) in each calendar year at any California community college, California State University, University of California, or any regionally accredited institution of higher education, may choose to meet the requirements in effect at the Los Rios college from which the student intends to graduate, as follows:

- Requirements that were in effect at the time the student was admitted to a Los Rios college
- Requirements that were in effect at the time the student originally enrolled in an accredited college
- Requirements that were in effect at the intended date of graduation from a Los Rios college

Please note:

- A college may authorize or request substitution for discontinued courses.
- Students who change their major field of study may be required to complete those requirements for the major in effect at the point of change.
- For purposes of this section, "attendance" means taking classes in at least one session (semester or summer session) in each calendar year. Absence for attendance at another regionally accredited institution shall not be considered an interruption in attendance, per Los Rios Policy P-7242 (shared/doc/board/policies/P-7242.pdf).

Change of Address and/or Name

Requests to have a student's name changed are submitted directly to the Admissions & Records office. In order for this type of request to be processed, documentation (such as a marriage license, court documents, or naturalization papers) is required to verify a legal name change.

Students should report a change of address immediately. Changes can be submitted online in eServices (https://ps.losrios.edu/student/signon.html) or by submitting a Change of Data form to the Admissions & Records office. Sacramento City College is not responsible for misdirected mail if the address change is not provided by the student.

Students can submit birth date and social security number corrections to the Admissions & Records office along with proper documentation (official birth certificates or social security verification).

Course Repetition and Repeatability

Repetition of courses must be conducted by all California community colleges in compliance with Title 5, Sections 55040 through 55046.

Course Repetition Where Substandard Grade is Recorded

Where a student has received a substandard grade in a course taken at a college, a student may repeat that course up to a maximum of two (2) times in an effort to alleviate the substandard academic grade. Substandard grade is defined as a notation of D, F, NC (No Credit), NP (No Pass), or W (Withdrawal). This regulation is effective across all Los Rios colleges.

The grade and credits earned in the final enrollment shall be used exclusively in determining the grade points earned for that particular course (Title 5, Section 55042).

Repeatable Courses

Courses taken where a grade of C or better was earned cannot be repeated. There are, however, certain specialized courses that are designated as "repeatable" and are listed as such in the course description. These include:

- Courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor's degree
- Intercollegiate athletics and their related conditioning courses may be repeated to meet requirements for California Community College Athletic Association (CCCAA) eligibility.
- Intercollegiate academic or vocational competition courses with the primary purpose to prepare students for competition
- Variable unit courses that are open entry/exit such as math, reading, and writing laboratory courses. Students may re-enroll in these courses as many times as necessary to complete one time the entire curriculum of the course.
- Work Experience courses, which can be taken again when there is new or expanded learning on the job for a maximum of six (6) to sixteen (16) units.

Repetition Without Substandard Grades

Unless a specific exception applies, a student who has received a satisfactory grade shall not repeat the course. Satisfactory grade is defined as A, B, C, P (Pass), or CR (Credit). There are special circumstances that allow for repetition. However, the student must submit a petition requesting the course repetition. These include:

- Students may repeat a course where a course is required by a statute or regulation as a condition of continued paid or volunteer employment, or as a result of a significant change in industry or licensure standards such that repetition is necessary for employment or licensure. These repetitions are not limited and are granted based on the college's verification of established legal mandates (Cal. Code Regs., Title 5, section 55040).
- Students may repeat a course if there has been a significant lapse of time since the first grade was obtained, and:
    - If the college has a properly established recency prerequisite for a course or program (Title 5, Section 55043).

    - If the college finds that another institution of higher education to which the student seeks to transfer has established a recency requirement which the student shall not be able to satisfy without repeating the course in question (Title 5, Section 55043)

- The college finds that the student's most recent previous grade is, at least in part, the result of extenuating circumstances. Extenuating circumstances are verified cases of accident, illness, or other circumstances beyond the student's control. This is a one-time exception.
- A special course that can be repeatable by petition so that a particular student can be approved to repeat it as a disability-related accommodation.

Limitations on Active Participatory Courses

Active participatory courses are those courses where individual study or group assignments are the basic means by which learning objectives are obtained. These include kinesiology/physical education (PE) active participatory courses, as well as visual and performing arts active participatory courses (theatre arts, music, and art). Some courses in these categories are related in content and have been placed in groups that the Los Rios colleges are calling "families" of courses. Each family of courses allows for skill development beyond an introductory level.

Students are limited to taking a maximum of four courses in any one family across all four Los Rios colleges, regardless of how many courses there are. Sometimes a family of courses may include more than four. For example, the Modern Dance Technique family of courses across the four Los Rios colleges includes five courses – DANCE 330 through DANCE 334 (Modern Dance I, II, III, IV, and V).

In addition, if a student gets a substandard grade [a notation of D, F, NC (No Credit), NP (No Pass), or W (Withdrawal)] in any course within a family, the substandard grade counts as one of the four course limitations in the family. The list of families of courses is available in the Counseling office. Please consult with a counselor for more information.

Course Time Conflict/Course Overlap

Students may not enroll in two classes that meet during part of the same hour, except through a petition process. The student must state their justification for enrolling in the overlapping class, and instructors must indicate how the missed time will be made up (Title 5, Section 58031).

Good Standing

In some circumstances, a previous sub-standard grade (a D or F) can be alleviated. You may petition to discount these units in computing your grade point average (GPA) if they meet the criteria set out by the Admissions and Records policies. However, no discount will be given for coursework required for a degree or certificate that has been granted.

Grades and Grade Point Averages (GPA)

Types of Grades

Letter Grade	Explanation	Grade Points Per Unit
A	Excellent	Four (4) grade points per unit
B	Good	Three (3) grade points per unit
C	Satisfactory	Two (2) grade points per unit
D	Passing (not satisfactory)	One (1) grade point per unit
F	Failing	Zero (0) grade points per unit
P	Pass (C or better)	Not computed in GPA
NP	No Pass (less than C)	Not computed in GPA; affects progress probation and dismissal
I	Incomplete	Not computed in GPA; affects progress probation and dismissal
W	Withdrawal	Not computed in GPA; affects progress probation and dismissal
EW	Excused Withdrawal	Not computed in GPA; does not affect progress probation and dismissal; does not count as one of your three attempts

Grade Point Average

The grade point average is found by taking the (Total Grade Points Earned) divided by (Total units attempted with a letter grade).

Progress Percentage

The progress percentage is found by taking the (Total units with W, I and NC) divided by (Total units enrolled).

Pass/No Pass Grading

You may choose one course each semester from courses that allow Pass/no Pass (P/NP) grading. A petition must be filed with the admissions office before the deadline published in the Class Schedule. A grade earned with an "A", "B" or "C" grade will be recorded as P with Grade Points Per Unit. A "D" or "F" grade will be recorded as NP with no Grade Points Per Unit. Units attempted for P/NP grades are not computed in the grade point average but are used for determining progress probation and dismissal. Once you have filed for P/NP grading in a course, it cannot be changed to a letter grade. No more than 15 units of Pass/No Pass may be applied toward an AA or AS degree.

Incomplete Grading

An instructor may assign an incomplete grade, "I", when the instructor believes the student cannot complete the requirements of the class before the end of the semester due to unforeseeable emergency and justified reasons. To receive credit for the class, the student must finish the incomplete work within one year after the end of the semester. After the work is completed and evaluated, or when the time has expired, a final grade will be assigned. A student receiving an incomplete may not reenroll in the class.

In Progress

If you receive an "in-progress" grade, you must re-enroll in the class in the next semester. If you don't re-enroll, a grade will be assigned in lieu of the "in-progress."

Withdrawal from Class

A student may officially drop a class without notation on the permanent academic record/transcript prior to the point in which 15% of a class has occurred (see the academic calendar (https://scc.losrios.edu/admissions/academic-calendar) for withdrawal deadlines). Withdrawals occurring after this time, and before the point in which 75% of the class has occurred, shall result in a W notation on the permanent academic record/transcript. Official withdrawals are those that have been processed via eServices or in the Admissions and Records office.

A W grade on the permanent academic record/transcript is used for determining progress probation and progress dismissal. No withdrawals are permitted during the last 25% of a course (see academic calendar for deadlines), except due to extenuating circumstances (verified cases of accidents, illness, or other circumstances beyond the control of the student), for which a student may request withdrawal through the student petition process. After consultation with the instructor and with administrative approval, the grade may be recorded as a W rather than as a less than satisfactory or failing grade on the permanent academic record/transcript. In all other cases, after the 75% date, a student will receive a grade in the course.

Military withdrawal is available for students who are members of an active or reserve military service, and who receive orders compelling a withdrawal from courses. Students requesting military withdrawal must file a student petition and include supporting documentation.

Excused withdrawal is available when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student making his or her ability to complete a course(s) impractical. These events may include a job transfer outside the geographical region, an illness in the family where the student is the primary caregiver, when the student who is incarcerated in a California state prison or county jail is released from custody or involuntarily transferred before the end of the term, when the student is the subject of an immigration action, or other extenuating circumstances. Excused withdrawal shall not be counted in progress probation and dismissal calculation. Excused withdrawal shall not be counted toward the permitted number of withdrawals or counted as an enrollment attempt.

Probation and Dismissal

There are two types of probation: academic and progress.

Academic Probation

A student who has attempted at least twelve (12) units is placed on academic probation if the student has earned a cumulative grade point average below 2.0.

Progress Probation

A student who has enrolled in a minimum of twelve (12) semester units is placed on progress probation when W, I, or NP grades are recorded in one-half or more of all units in which a student has enrolled.

Unit Limitation

A student on either academic or progress probation may be limited to 12 or fewer units, or to a course load recommended by the student's counselor.

Removal from Probation

A student on academic probation is removed from probation and achieves good standing when the student's cumulative grade point average is 2.0 or higher.

A student on progress probation is removed from probation and placed in good standing when less than half of the student's units are recorded as W, I, or NP.

Remedial Unit Limitation

The California Community Colleges Board of Governors has adopted regulations limiting the number of remedial course units a student may take to 30. These courses are usually numbered 1 through 99. Students may petition for a waiver to the 30-unit limitation through a counselor. However, federal financial aid does not allow a student to receive aid for more than 30 remedial units.

Transcripts

Order Transcripts Online

Current and former students can order transcripts and authorize the release of student records online. Students must submit a separate order for each Los Rios college they attended.

Order Transcripts Online (https://scc.losrios.edu/order-transcripts)

Unit/Academic Load

Per Los Rios Regulation R-7211: Maximum and Recommended Academic Load (shared/doc/board/regulations/R-7211.pdf), fifteen (15) units each semester is considered a full load. Twelve (12) units each semester is a minimum full-time load and is usually acceptable to qualify for scholarships, grants, loans, and holding student offices.

Fall/Spring Semester

Eighteen (18) units per semester is a maximum load. Unit limit shall be district-wide. A petition to exceed the maximum load must be submitted in writing to the college at which the additional units will be taken prior to registration. A student may petition up to a maximum of six (6) additional units district-wide through this process.

Summer Session

Twelve (12) units per summer session is a maximum load. Unit limit shall be district-wide. A petition to exceed the maximum load must be submitted in writing to the college at which the additional units will be taken prior to registration. A student may petition up to a maximum of four (4) additional units district-wide through this process.

Special Considerations

Full governmental subsistence for veterans and dependents requires the unit load of twelve (12) units (with reduced benefit amounts dependent on the total number of enrolled units).

The following categories require the minimum unit load indicated:

- International students – twelve (12) units
- Student athletes – twelve (12) units, including kinesiology/physical education

Unit of Credit

Units of credit are assigned to courses based on the "Carnegie Unit," which assigns one unit of credit for three hours of work by the student per week. Usually this means one hour of lecture or discussion led by the instructor and two hours of outside preparation by the student. In laboratory courses, three hours of work in the laboratory are normally assigned one unit of credit which may include some additional preparation outside of class time. Students can find the number of units of credit with each course description.

Enrollment Verification

Enrollment verification for child care, health insurance, or car insurance can be printed out via eServices or requested by fax or in-person. All other requests can be processed immediately by the National Student Clearinghouse for a fee.

Verifications for Child Care, Health Insurance, and Car Insurance

eServices

You can print or save an enrollment verification certificate for free through eServices (https://ps.losrios.edu/student/signon.html). From your eServices dashboard:

1. Click *Academic Records*
2. Click *Enrollment Verification*
3. Follow the instructions to get to your printable verification

Fax and In-Person Requests

We *do not* accept verification requests over the phone.

Faxed and in-person requests are processed in five to seven business days after we receive the request. We do not fax back verifications – all verifications must be picked up in person at Admissions and Records. You must provide a photo ID when you pick up your enrollment verification.

Faxed requests must include:

- Your name
- Your student ID number
- Your birthdate
- Which semester you need verified
- Your signature

Other Enrollment and Degree Verifications

The National Student Clearinghouse acts as Sacramento City College's agent for verification of student enrollment and degree status. You can obtain an official Enrollment Verification Certificate online via the National Student Clearinghouse Verifications website (https://nscverifications.org/welcome-to-verification-services/) or by calling (703) 742-4200.

We will direct the following types of requests to the National Student Clearinghouse:

- Requests from credit issuers
- Requests from travel and consumer product companies
- Requests from housing providers
- Requests from scholarship providers
- Requests from employers and employment agencies
- Requests from students or parents that are not related to child care, health insurance, or car insurance

Alternative Credit/Study Options

In addition to regular classes, students may receive college credit when they participate in the following alternative credit and study options.

Advanced Placement (AP) Exams

Sacramento City College grants credit for College Board Advanced Placement (AP) examinations. A student who meets the following requirements may receive credit for exams they successfully passed:

- Official copies of test scores are on file with Admissions and Records
- Student is in good standing, which is defined as having completed twelve (12) units of credit and having a minimum 2.0 grade point average (GPA)

Students should be aware that other colleges and universities have the right to accept, modify, or reject the use of AP scores towards their graduation requirements. Check with your counselor to determine whether these test results will be accepted at the transfer institution of your choice.

Review the AP Credit Chart (https://scc.losrios.edu/ap-scores-chart) to see how Sacramento City College grants credit for AP exams.

College-Level Examination Program (CLEP)

Sacramento City College grants credit for College-Level Examination Program (CLEP) examinations. CLEP scores fulfill general education areas only; they **do not** fulfill graduation competencies, requirements for any major at Sacramento City College, or enrollment limitations (such as prerequisite requirements) for any course at Sacramento City College.

A student may receive credit for CLEP exams they have successfully passed once the following requirements are met:

- Official copies of test scores are on file with Admissions and Records
- Student has completed twelve (12) units of credit and has a minimum 2.0 grade point average (GPA)

Visit College Board's College-Level Examination Program website (https://clep.collegeboard.org) to learn more.

CLEP scores are **not** accepted for transfer to the University of California. Students should be aware that other colleges and universities have the right to accept, modify, or reject the use of CLEP scores towards their graduation requirements. Check with your counselor to determine whether these test results will be accepted at the transfer institution of your choice.

Review the CLEP Credit Chart (https://scc.losrios.edu/clep-scores-chart) to see how Sacramento City College grants credit for CLEP exams.

International Baccalaureate (IB) Tests

Sacramento City College may award college credit for international baccalaureate (IB) higher-level course completion, if the course work is compatible with the college's curriculum. No credit will be granted for lower-level course work completed in the IB program.

A student who meets the following requirements may receive credit for IB tests they successfully passed:

- Official copies of test scores are on file with Admissions and Records
- Student is in good standing, which is defined as having completed twelve (12) units of credit and having a minimum 2.0 grade point average (GPA)

Review the IB Credit Chart (https://scc.losrios.edu/ib-scores-chart) to see how Sacramento City College grants credit for IB tests.

Students should be aware that other colleges and universities have the right to accept, modify, or reject the use of IB scores towards their graduation requirements. Check with your counselor to determine whether these test results will be accepted at the transfer institution of your choice.

Students who have earned credit from an IB test should not take a comparable college course because transfer credit will not be granted for both.

Credit by Examination

Under special circumstances, and with the concurrence of the department, students regularly enrolled and in good standing who believe they are qualified by experience or previous training may take a special examination to establish credit in a course in which they are not formally enrolled.

Instructions

1. Download the Petition for Credit By Examination/Course Challenge (scc/shared/doc/Admissions-Records/Credit-by-Examination-Request.pdf) (PDF) or obtain a copy from the Division Office.
2. Go to the Division Office to determine if you can challenge a course via the credit by exam process.
3. After receiving approval and signatures from the Division representatives, take the form to Admissions and Records (https://scc.losrios.edu/admissions/admissions-and-records-office) to determine eligibility (you will not be enrolled in the course at this time).
4. If eligible, then go to the Business Office (https://scc.losrios.edu/student-resources/support-services/business-services) to pay the appropriate fees.
5. Take the completed form to the instructor who will collect the form and administer the exam.
6. The instructor will submit the completed form and results to the the Admissions and Records Office for processing.
7. You will receive a letter grade unless you also fill out the Pass/No Pass grade request.
8. The Admissions and Records Office will post the credit by exam course and grade at the end of the semester.

Credit for Military Service

Veterans may receive credit for military service.

How to Apply

Submit a copy of your DD-214 (member 4) to the Veterans Resource Center (https://scc.losrios.edu/vrc). You may be eligible to receive four (4) units of living skills graduation requirements.

In some circumstances, veterans may also receive credit for satisfactory training completed in service school.

Distance/Online Education

Sacramento City College offers instruction via the internet. This includes online course sections where all work is carried out online, and partially online course sections where instruction is divided between online and in-person modalities.

To be successful in online courses, students need to be self-directed, motivated, and able to independently complete and electronically submit assignments on schedule. Students will also need reliable access to a computer and basic internet skills.

Online Classes

In online classes, classes meet online and all coursework is done online. Class schedules will indicate whether an online class is asynchronous (meaning there are no scheduled meeting times) or synchronous (meaning there are regularly scheduled meetings through teleconference).

Partially Online or "Hybrid" Classes

Partially online classes feature a mix of online and in-person meetings and coursework. Class schedules will indicate the day/time of the in-person, on-campus class sessions.

Online Learning Platform

All online classes are offered through Canvas (https://lrccd.instructure.com), a cloud-based learning management system used by faculty and students within Los Rios Community College District.

Learn more about online education at Sacramento City College (https://scc.losrios.edu/academics/online-education).

Independent Study

An independent study course involves an individual student or small group of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among the college, faculty member, and student(s). Independent studies require regular meetings between the student and instructor. Additionally, the instructor may require examinations or other measures of evaluation, field trips, term papers, and other assignments.

Please note that some four-year colleges and universities do not accept units granted through independent study. Students are encouraged to meet with a counselor for more information.

For the appropriate petition and course proposal form, please contact Admissions and Records (https://scc.losrios.edu/admissions-records).

Study Abroad

Study abroad can be an enlightening, maturing, and life-changing experience. Students are challenged to re-examine themselves, their attitudes, and their studies as they learn to understand new and different cultures. In cooperation with the American Institute for Foreign Study, Los Rios Community College District offers unique study opportunities in cities such as:

- London, England
- Barcelona, Spain
- Florence, Italy

Requirements

To study abroad, students must:

- Be at least 18 years old
- Be in good academic standing with 12 college units completed by the time you go abroad
- Have a minimum overall grade point average (GPA) of 2.25

During the 13-week Study Abroad program, all students take 12 units – a three-unit Life and Culture class, an additional Los Rios class, and two other classes from the list of offerings.

Financial Aid

Financial Aid is available for study abroad.

Upcoming Study Abroad Opportunities

Learn more about current and upcoming study abroad opportunities (https://scc.losrios.edu/study-abroad).

Work Experience and Internship Program

Work experience is an academic program in which students apply what they have learned in the classroom to a job or internship and work to earn college credits. There are two types of programs: vocational and general.

For more information, please visit the Work Experience and Internship Program (https://scc.losrios.edu/wexp).

Advanced Placement Test Scores

Students may earn credit for College Entrance Board Advanced Placement (AP) tests with scores of 3, 4, or 5. AP scores can be used to meet Sacramento City College associate degree general education requirements, California State University (CSU) general education (GE) requirements, and Intersegmental General Education Transfer Curriculum (IGETC).

A student may receive credit for AP exams they have successfully passed once the following requirements are met:

- Official copies of test scores are on file with Admissions and Records
- Student has completed twelve (12) units of credit and has a minimum 2.0 grade point average (GPA)

Students should be aware that other colleges and universities have the right to accept, modify, or reject the use of AP scores towards their graduation requirements. Check with your counselor to determine whether these test results will be accepted at the transfer institution of your choice.

Sacramento City College Advanced Placement Credit

This table describes how passing AP scores translate into college credit at Sacramento City College, and which general education areas they satisfy (if any).

AP Exam	AP Test Score	SCC Course Credit	Satisfies SCC GE Area	Units Earned at SCC
Art History	3, 4, 5	ARTH 304, 306, 308, or 310	I	6 maximum
Biology	3, 4, 5	BIOL 308 and 309	IV	4
Calculus AB	3, 4, 5	MATH 400	II(b)	5
Calculus BC	3, 4, 5	MATH 400 and 401	II(b)	10
Calculus BC/AB Subscore	N/A	N/A	II(b)	N/A
Chemistry	3	CHEM 305	IV	5
Chemistry	4, 5	CHEM 400	IV	5
Chinese Language and Culture	3, 4, 5	N/A	I	0
Comparative Government and Politics	3, 4, 5	N/A	N/A	0
Computer Science A	3, 4, 5	CISP 360	II(b)	4
Computer Science AB	3, 4, 5	CISP 400	II(b)	4
Computer Science Principles	3, 4, 5	N/A	N/A	N/A
English Language and Composition	3, 4, 5	ENGWR 300	II(a)	3
English Literature and Composition	3, 4, 5	ENGWR 300, 301, or 303*	II(a)	4
Environmental Science	3, 4, 5	BIOL 350	IV	3
European History	3, 4, 5	HIST 300	I or V(b)	3
French Language (removed Fall 2011)	3, 4, 5	FREN 401 and 402	I	8
French Language and Culture	3, 4, 5	N/A	N/A	0
French Literature	3, 4, 5	N/A	N/A	0
German Language	3, 4, 5	N/A	I	0
German Language and Culture	3, 4, 5	N/A	N/A	0
Human Geography	3, 4, 5	GEOG 310	V(b) and VI#	3
Italian Language and Culture	3, 4, 5	N/A	I	0
Japanese Language and Culture	3, 4, 5	N/A	I	0
Latin	3, 4, 5	N/A	N/A	0
Latin Literature	3, 4, 5	N/A	N/A	0
Latin: Vergil	3, 4, 5	N/A	N/A	0
Macroeconomics	3, 4, 5	ECON 302	V(b)	3
Microeconomics	3, 4, 5	ECON 304	V(b)	3
Music Theory (taken before Fall 2009)	3, 4, 5	MUFHL 400 and MUFHL 401	I	8
Physics 1 (Fall 2013)	3, 4	PHYS 310	IV	3
Physics 1 (Fall 2013)	5	PHYS 350	IV	4
Physics 2 (Fall 2013)	3, 4	PHYS 310	IV	3
Physics 2 (Fall 2013)	5	PHYS 350	IV	4

AP Exam	AP Test Score	SCC Course Credit	Satisfies SCC GE Area	Units Earned at SCC
Physics B	3, 4	PHYS 310	IV	3
Physics B	5	PHYS 350	IV	4
Physics C (Electricity / Magnetism)	3, 4, 5	N/A	IV	0
Physics C (Mechanics)	3, 4, 5	N/A	IV	0
Psychology	3, 4, 5	PSYC 300	V(b)	3
Spanish Language	3, 4, 5	SPAN 401 and SPAN 402	I	8
Spanish Language and Culture (taken after Fall 2009)	3, 4, 5	SPAN 401 and SPAN 402	I	8
Spanish Literature	3, 4, 5	N/A	N/A	0
Spanish Literature and Culture	3, 4, 5	N/A	N/A	0
Statistics	3, 4, 5	STAT 300	II(b)	4
Studio Art – 2D Design	3, 4, 5	ART 320	I	3
Studio Art – 3D Design	3, 4, 5	ART 370	N/A	3
Studio Art – Drawing	3, 4, 5	ART 300	I	3
US Government and Politics	3, 4, 5	POLS 301 or POLS 481	V(a) or V(b)	3
US History	3, 4, 5	HIST 310, HIST 311, HIST 320, HIST 321, HIST 483, or HIST 484	V(a)	6
World History (taken before Fall 2019)	3, 4, 5	HIST 307 and HIST 308	V(b)	6
World History – Modern (taken Fall 2019 or later)	3, 4, 5	HIST 307 and HIST 308	V(b)	6

* Students can only earn credit for ENGWR 300, ENGWR 301, or ENGWR 303 – but not all three – for the English Literature and Composition AP exam.

#Course satisfies both GE areas, but units are only applied in one area.

CSU Advanced Placement Credit

Visit CSU's AP Credit webpage (https://www2.calstate.edu/apply/transfer/pages/advanced-placement-ap.aspx) to find information on how credit is granted for admission and general education. Please note that each campus in the CSU system individually determines how it will apply external examination credit in the major. For more information about AP credit, consult a counselor.

IGETC Advanced Placement Credit

This table describes how credit is granted for admission and general education using the Intersegmental General Education Transfer Curriculum (IGETC) pattern. For more information about transferring to the University of California (UC), see how UC awards credit for AP (https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/).

AP Exam	Exam Score	IGETC Area	Semester Credits Toward IGETC
Art History	3, 4, 5	3A or 3B	3
Biology	3, 4, 5	5B and 5C	4
Calculus AB	3, 4, 5	2A	3
Calculus BC	3, 4, 5	2A	3
Calculus AB Subscore from BC Exam	3, 4, 5	2A	3
Chemistry	3, 4, 5	5A and 5C	4
Chinese Language and Culture	3, 4, 5	3B and 6A	3
Comparative Government and Politics	3, 4, 5	4	3
Computer Science A	3, 4, 5	N/A	N/A
Computer Science AB	3, 4, 5	N/A	N/A
Computer Science Principles	3, 4, 5	N/A	N/A
English Language and Composition	3, 4, 5	1A	3
English Literature and Composition	3, 4, 5	1A or 3B	3
Environmental Science	3, 4, 5	5A and 5C%	3
European History	3, 4, 5	3B or 4	3
French Language/Culture	3, 4, 5	3B and 6A	3
German Language/Culture	3, 4, 5	3B and 6A	3
Human Geography	3, 4, 5	4	3
Italian Language and Culture	3, 4, 5	3B and 6A	3
Japanese Language and Culture	3, 4, 5	3B and 6A	3

AP Exam	Exam Score	IGETC Area	Semester Credits Toward IGETC
Latin[$]	3, 4, 5	3B and 6A	3
Macroeconomics	3, 4, 5	4	3
Microeconomics	3, 4, 5	4	3
Music Theory	3, 4, 5	N/A	N/A
Physics 1	3, 4, 5	5A and 5C	4
Physics 2	3, 4, 5	5A and 5C	4
Physics B (taken before Fall 2015)	3, 4, 5	5A and 5C	4
Physics C (Electricity/Magnetism)	3, 4, 5	5A and 5C[%]	3
Physics C (Mechanics)	3, 4, 5	5A and 5C[%]	3
Psychology	3, 4, 5	4	3
Spanish Literature and Culture	3, 4, 5	3B and 6A	3
Spanish Language and Culture	3, 4, 5	3B and 6A	3
Spanish Language (taken before Spring 2014)	3, 4, 5	3B and 6A	3
Spanish Literature (taken before Spring 2013)	3, 4, 5	3B and 6A	3
Statistics	3, 4, 5	2A	3
Studio Art – 2D Design	3, 4, 5	N/A	N/A
Studio Art – 3D Design	3, 4, 5	N/A	N/A
Studio Art – Drawing	3, 4, 5	N/A	N/A
US Government and Politics	3, 4, 5	4 and US-2**	3
US History	3, 4, 5	(3B or 4) and US-1**	3
World History	3, 4, 5	3B or 4	3

[%] AP test meets IGETC science course and lab requirement but only grants three units toward IGETC. Students will need to earn at least seven units in IGETC Area 5 to be certified.

[$] Offered May 2013 and beyond.

** Students need to complete a course that covers California State and Local Government to complete CSU American Institutions requirement.

College-Level Examination Program Scores

Sacramento City College grants credit for College Level Examination Program (CLEP) examinations. CLEP scores may be used to meet Sacramento City College AA/AS general education requirements and California State University (CSU) general education requirements; they **do not** fulfill graduation competencies, requirements for any major at Sacramento City College, or enrollment limitations (such as prerequisite requirements) for any course at Sacramento City College.

A student may receive credit for CLEP exams they have successfully passed once the following requirements are met:

- Official copies of test scores are on file with Admissions and Records
- Student has completed twelve (12) units of credit and has a minimum 2.0 grade point average (GPA)

Visit College Board's College Level Examination Program (https://clep.collegeboard.org/) website to learn more.

CLEP scores are **not** accepted for transfer to the University of California. Students should be aware that other colleges and universities have the right to accept, modify, or reject the use of CLEP scores towards their graduation requirements. Check with your counselor to determine whether these test results will be accepted at the transfer institution of your choice.

Sacramento City College CLEP Credit

This table describes how passing CLEP scores translate into college credit at Sacramento City College, and which general education areas they satisfy (if any).

CLEP Exam	CLEP Score	Satisfies SCC GE Area	Units Earned at SCC
American Government	50	V(a)	3
American Literature	50	I	3
Analyzing and Interpreting Literature	50	I	3
Biology	50	IV	3
Calculus	50	II(b)	3
Chemistry	50	IV	3
College Algebra	50	II(b)	3
College Algebra – Trigonometry	50	II(b)	3
English Literature (taken before Fall 2011)	50	I	3
French	59	I	3
History, US I	50	V(a)	3
History, US II	50	V(a)	3
Human Growth and Development	50	III(b)	3
Humanities	50	I	3
Introduction to Psychology	50	V(b)	3
Introduction to Sociology	50	V(b)	3
Natural Sciences	50	IV	3
Pre-Calculus	50	II(b)	3
Principles of Macroeconomics	50	V(b)	3
Principles of Microeconomics	50	V(b)	3
Spanish	63	I	3
Trigonometry (taken before Fall 2006)	50	II(b)	3
Western Civilization I	50	V(b)	3
Western Civilization II	50	V(b)	3

Exceptions

Sacramento City College does not offer credit for the following CLEP exams, and these exams do not satisfy associate degree general education requirements:

- College Composition
- College Composition – Modular
- College Mathematics
- English Composition (with essay)
- English Composition (without essay)

- Financial Accounting
- Freshman College Composition
- German
- Information Systems and Computer Applications
- Introduction to Educational Psychology
- Introduction to Business Law
- Principles of Accounting
- Principles of Management
- Principles of Marketing
- Social Sciences and History

CSU CLEP Credit

Visit CSU's CLEP webpage (https://www2.calstate.edu/apply/transfer/Pages/college-level-examination-program.aspx) to find information on how credit is granted for admission and general education. Please note that each campus in the CSU system individually determines how it will apply external examination credit in the major. For more information about CLEP credit, consult a counselor.

International Baccalaureate Test Scores

Sacramento City College may award college credit for international baccalaureate (IB) higher-level (HL) course completion, if the course work is compatible with the college's curriculum. IB test scores may be used to meet Sacramento City College AA/AS general education requirements, California State University (CSU) general education requirements, and Intersegmental General Education Transfer Curriculum (IGETC). No credit will be granted for lower-level course work completed in the IB program.

A student may receive credit for IB tests they have successfully passed once the following requirements are met:

- Official copies of test scores are on file with Admissions and Records
- Student has completed twelve (12) units of credit and has a minimum 2.0 grade point average (GPA)

Students should be aware that other colleges and universities have the right to accept, modify, or reject the use of IB scores towards their graduation requirements. Check with your counselor to determine whether these test results will be accepted at the transfer institution of your choice.

Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both.

Sacramento City College International Baccalaureate Credit

This table describes how passing IB scores translate into college credit at Sacramento City College, and which general education areas they satisfy (if any).

IB Exam	Passing Score	SCC GE Area	Units Earned at SCC
Biology HL	5	IV	3
Chemistry HL	5	IV	3
Economics HL	5	V(b)	3
Geography HL	5	V(b)	3
History (any region) HL	5	I or V(b)	3
Language A (any language) HL	5	I	3
Language A: Language and Literature HL (any language)	5	I	3
Language A: Language and Literature HL (any language except English)	5	I	3
Language A: Literature HL (any language except English)	5	I	3
Language A1 (any language) HL	5	I	3
Language A2 (any language) HL	5	I	3
Mathematics HL	5	II(b)	3
Physics HL	5	IV	3
Psychology HL	5	V(b)	3
Theatre HL	5	I	3

Exceptions

Sacramento City College does not offer credit for the following IB tests, and these tests do not satisfy associate degree general education requirements:

- Language B (any language) HL

CSU IB Credit

Visit CSU's IB webpage (https://www2.calstate.edu/apply/transfer/Pages/international-baccalaureate-ib.aspx) to find information on how credit is granted for admission and general education. Please note that each campus in the CSU system individually determines how it will apply external examination credit in the major. For more information about IB credit, consult a counselor.

IGETC International Baccalaureate Credit

This table describes how credit is granted for admission and general education using the Intersegmental General Education Transfer Curriculum (IGETC) pattern. For more information about transferring to the University of California (UC), see how UC awards credit for IB (https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ib-credits.html).

IB Test	Passing Score	IGETC Area	Semester Units for IGETC Certification
Biology HL	5	5B (no lab)	3
Chemistry HL	5	5A (no lab)	3
Economics HL	5	4	3
Geography HL	5	4	3
History (any region) HL	5	3B or 4	3
Language A: Language and Literature HL (any language)	5	3B	3
Language A: Language and Literature HL (any language except English)	5	3B and 6A	3
Language A: Literature HL (any language except English)	5	3B and 6A	3
Language A: Literature HL (any language)	5	3B	3
Language B (any language) HL	5	6A	3
Mathematics HL	5	2A	3
Physics HL	5	5A (no lab)	3
Psychology HL	5	4	3
Theatre HL	5	3A	3

College Safety and Security

At Sacramento City College, we are committed to maintaining a safe learning environment and supporting an ongoing comprehensive safety program. The Los Rios Police Department (LRPD) employs sworn police officers who are certified through California Peace Officers Standards and Training (POST) and are responsible for protecting life and property across the district.

LRPD has excellent working relationships with other law enforcement agencies and emergency service providers in our neighboring communities. These strong partnerships help support more effective responses in emergency situations.

Learn more about Los Rios Police Department (https://police.losrios.edu).

Crime Prevention

Sacramento City College actively supports crime prevention through a number of programs.

Emergency Automobile Assistance

Though they are not mechanics, Los Rios Police officers are equipped and trained to start cars with dead batteries or unlock non-electric car doors. Proper identification is required for the performance of these services.

Unlawful Weapons

California Penal Code Section 626.9 (h) prohibits the possession of a firearm on college grounds.

The California Penal Code Section also prohibits the possession of knives 626.10, switchblade 21510, pepper spray 22810 (e) and Tasers/Stun Gun 626.10.

Alcohol

Consumption of, or being under the influence of, alcohol while on campus is strictly prohibited. Violators are subject to suspension, expulsion, and/or criminal prosecution (per Los Rios Policy P-2443: Drug and Alcohol-Free Workplace and College Premises (shared/doc/board/policies/P-2443.pdf)).

Emergency Telephones

Outdoor, emergency telephones have been installed at strategic locations throughout the campuses. These blue phones, when accessed, will automatically connect the caller to the Los Rios Police Department.

Emergency Alerts and Rave Guardian App

In the event of an emergency or disaster, Los Rios will provide critical information to students and employees via an emergency alert system.

Additionally, as part of our ongoing commitment to campus safety, the Los Rios Police Department launched Rave Guardian, a free mobile safety app that turns your smartphone into a personal safety device.

Learn more about emergency alerts and Rave Guardian App (https://police.losrios.edu/emergencies/emergency-alerts).

Illegal Drugs

Sacramento City College is committed to being a drug-free campus. Violators will be subject to disciplinary procedures. The use, sale, or possession on campus of, or presence on campus under the influence of, any controlled substance is strictly prohibited. Violators are subject to suspension, expulsion, and/or criminal prosecution (per Los Rios Policy P-2441: Standards of Conduct (shared/doc/board/policies/P-2441.pdf) and Los Rios Policy P-2443: Drug and Alcohol-Free Workplace and College Premises (shared/doc/board/policies/P-2443.pdf)).

Children on Campus

It is not appropriate for children to attend classes with their parents. All children on campus must be under the direct supervision of a parent, guardian, or other authorized adult. Unattended or disruptive children will be reported to the proper authorities.

Parking

Vehicles that do not have a valid semester parking decal or daily permit properly displayed will be issued a parking citation. There is a $283 fine for parking in designated disabled spaces (including hatch marks next to disabled spaces) without a state-issued disabled decal or plate.

Sexual Harassment

Sexual harassment in any situation is unacceptable and is in violation of state and federal laws and regulations. Corrective action will be taken where evidence of sexual harassment is found (per Los Rios Policy P-2424: Sexual Harassment (shared/doc/board/policies/P-2424.pdf)).

Hate Crimes

Hate crimes include any of the following offenses that are motivated by bias:

- Murder/non-negligent manslaughter, negligent manslaughter, sexual assault, robbery, aggravated assault, burglary, motor vehicle theft, arson
- Larceny-theft: The unlawful taking carrying, leading or riding away of property from the possession or constructive possession of another
- Constructive possession: the condition in which a person does not have physical custody or possession, but is in a position to exercise dominion or control over a thing
- Simple assault: an unlawful physical attack by one person upon another where neither the offender displays a weapon, nor the victim suffers obvious severe or aggravated bodily injury involving apparent broken bones, loss of teeth, possible internal injury, severe laceration, or loss of consciousness
- Intimidation: To unlawfully place another person in reasonable fear of bodily harm through the use of threatening words and/or other conduct, but without displaying a weapon or subjecting the victim to actual physical attack
- Destruction, damage, vandalism: To willfully or maliciously destroy, damage, face, or otherwise injure real or personal property without the consent of the owner or the person having custody or control of it

Campus Traffic Regulations

Los Rios Police Department (LRPD) enforces the California Vehicle Code (CVC) and board-approved regulations on grounds designated for vehicle parking and traffic.

For more information, see parking regulations (https://police.losrios.edu/parking-resources/parking-regulations).

Reporting a Crime/Incident

To report an on-campus crime or incident, see crime and reporting (https://police.losrios.edu/crime-and-reporting) on the Los Rios Police Department website.

Clery Report

Each year, the Los Rios Police Department publishes the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Report (also known as the Annual Clery Report). This report includes information about our safety and security policies and specific crime statistics.

View the Clery Report (https://police.losrios.edu/clery) on the Los Rios Police Department website.

Student Rights and Responsibilities

Essential Elements of a High-Quality Education

Sacramento City College envisions an education system in which specific rights, obligations, and expectations for students and education providers will be clearly expressed, so that all participants in the educational process, including families, can understand and respond to them. These rights, obligations, and expectations would define what the college considers to be the essential elements of high-quality teaching and learning to which all students and education providers should have access. Sacramento City College proposes that these rights, obligations, and expectations be defined as follows:

Student Rights

Every student has the right to:

- Be taught by a competent and fully-qualified faculty member
- Receive an education, including intervention when necessary, that is sufficient to allow successful transition into the next levels of education and into the workforce
- Be provided access to high-quality learning materials and resources, including textbooks and technologies that foster and support the knowledge and skills they are expected to learn
- Receive counseling and academic advising to assist in successful educational progress and planning
- Be in a clean, modern, and safe environment that is conducive to learning
- Be provided with sufficient information regarding educational, economic, social, and political options to be able to make informed choices for their future
- Receive information about financial support for postsecondary education attendance

Student Responsibilities

Every student is expected to:

- Attend college regularly and participate in the educational opportunities that are provided
- Commit to the level of effort needed to succeed
- Contribute to maintaining a safe, positive college environment

Fundamental Concepts

The Los Rios student rights and responsibilities are based upon the following three fundamental concepts:

- College students, citizens of the United States, and foreign guests are members of the academic community
- They have the same rights and freedoms that all citizens have as students, and must comply with federal and state laws and statutes
- Students must also comply with Los Rios Board policies and individual college rules and regulations

Academic Rights and Responsibilities

The classroom (including laboratories, field trips, independent study, and so on) is the essential part of any college where freedom to learn should flourish. The instructor has the responsibility for the manner of instruction and the conduct of the classroom. The instructor should not act in any way that denies the rights of students as set forth below (Los Rios Regulation R-2411 (shared/doc/board/regulations/R-2411.pdf)).

Student Academic Rights

Student Publications

In preparing student publications, the editorial staff and faculty advisors shall be free from censorship and advance copy approval except as provided by published district policy, statutes, or college regulation. These publications should do the following:

- Adhere to canons of responsible journalism, such as avoidance of libel, indecency, undocumented allegations, attacks on personal integrity, and the techniques of harassment and innuendo.
- State on the editorial page that the opinions expressed are not necessarily those of the college or the student body.

Support Causes

Students shall have the right to:

- Take stands on issues
- Examine and discuss questions of interest to them
- Support causes by orderly means which are in harmony with the regular functioning of the institution

Free Assembly and Free Speech

Students shall have the right to hear speakers on any subject and college recognized student organizations shall have the right to present speakers on any subject. In addition, students shall have the right of free assembly on each campus subject to regulations that assure the regular functioning of the institution.

The policies and regulations shall include reasonable provisions for the time, place, and manner of conducting these activities, but shall not prohibit the right of students to exercise free expression including, but not limited to, the use of bulletin boards, the distribution of printed materials or petitions, and the wearing of buttons, badges, and other insignia.

Expression which is obscene, libelous, or slanderous according to current legal standards, or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or the violation of lawful district or college regulations, or the substantial disruption of the orderly operation of the college, shall be prohibited.

Free to Organize

Students shall have the right to form an organization around any particular interest. This right includes the freedom to organize and to join student organizations subject to published college and district regulations.

Voice in Decision-Making

Students shall have the right to be informed on all college matters that can be shown to be directly relevant to them by having a voice in decision making that affects their academic future, with the exception of staff appointment, termination, and tenure.

In case of conflict in determining what college matters are relevant to students, the determination will be made by a college-designated student, faculty, and administrative committee.

In addition, student representatives shall be members of all faculty and administrative committees related to students' concerns; such student representatives shall have a vote as committee members.

Confidentiality

Students shall have the right to have their academic records treated in a confidential and responsible manner with due regard to the personal nature of the information these records contain. Students' records will be released only on the written consent of the students or as provided by law. Learn more about access to student records (https://scc.losrios.edu/access-to-student-records).

Academic Evaluation

Students shall have the right of protection against prejudiced or capricious academic evaluation. At the same time, students are responsible for maintaining standards of academic performance established in advance for each course in which they are enrolled.

Grievance Procedure

Students shall have the right to file a grievance as outlined in Los Rios Regulation R-2412 (shared/doc/board/regulations/R-2412.pdf), in the event of an alleged breach of their rights. Sacramento City College's designated grievance officer will hear grievances of students who believe their academic rights have been denied or violated.

Go to Class-Related Concerns (https://scc.losrios.edu/class-related-concerns)

Student Responsibilities

The Expectations of the College

Admission to college assumes the expectation that the student will:

- Be a responsible member of the college community
- Obey the law
- Comply with the published rules and regulations of the college
- Respect the rights, privileges, and property of the other members of the college community
- Not interfere with legitimate college affairs

Students enrolled in a class are responsible for meeting standards of performance and conduct established by the Los Rios Community College District and the instructor. Students are responsible for registering, "adding," and "dropping" classes in a timely fashion to make sure that other students have an opportunity to take classes. Students are responsible for completing and submitting all class assignments, examinations, tests, projects, reports, and so on by scheduled due dates, or face penalties.

If any problem arises regarding coursework or attendance, the student will be held responsible for initiating communication and contact with the instructor. In addition, students will be held responsible for behavior and conduct adverse to the preservation of order as established by the college and the instructor. Students are responsible for meeting their degree requirements as provided in the college catalog.

See Students Standards of Conduct (https://scc.losrios.edu/standards-of-conduct)

Students also have the responsibility to use information technology resources effectively. Each user has the responsibility to:

- Use the resources appropriately and efficiently
- Respect the freedom and privacy of others
- Protect the stability and security of the resources
- Understand and fully abide by established college policies and applicable public laws

In the case of student conduct that involves an alleged or proven violation of criminal law, the disciplinary authority of the college will not be used to duplicate the function of criminal authority. Disciplinary action may be taken if the conduct also involves a violation of district or college policy.

See Student Disciplinary Procedures (https://scc.losrios.edu/student-discipline)

Access to Student Records (FERPA)

Use and Release of Student Information

The Family Educational Rights and Privacy Act of 1974 (FERPA) was designed to protect the privacy of educational records and to establish the rights of students to inspect and review their educational records. It also provides control over the release of educational record information. The original intent of this legislation was to keep elementary and high school records private and to give parents access to their child's school records.

After a student turns eighteen or attends an institution of higher education (a college or university), the rights of access to the student's records transfer to the student. This means that all academic information regarding a college student goes directly to the student unless the student has given specific, written permission to release that information to someone else.

Though parents understandably have an interest in their child's academic progress, they are not automatically granted access to a student's records without the written consent of the student. Parents are encouraged to consult with the student if academic information is needed.

A student can give permission for a third party to access their records by filing a Student Consent for Release of Records Form (shared/doc/admissions-records/forms/student-consent-for-release-of-student-records.pdf) with the Admissions and Records office.

The security of student information is very important to us, which is why we will not discuss student records over the phone. This includes resetting a student's password. If you do not remember your password reset questions, then you must come to the campus or one of the outreach centers in person with photo identification.

To obtain a copy of your records – including your current enrollment – you can log in to eServices (https://ps.losrios.edu/student/signon.html) or come to campus in person with photo identification. You can order your official transcripts online (https://scc.losrios.edu/order-transcripts).

Student Rights Under FERPA

Students have the right to:

1. Inspect and review their own education records within a reasonable time after the college receives a request for access. If a student wants to review their record, then they should contact the Vice President of Student Services for a petition. Education records include any item of information directly related to an identifiable student maintained by the district or college or required to be maintained by an employee in the performance of the employee's duties, whether that information is recorded by handwriting, print, tapes, files, microfilm, electronically, or by other means. Education records do not include: directory information, information provided by a student's parent related to financial aid or scholarships, information prepared by and that remains in the sole possession of the person who created it, certain medical records, and decisions reached as a result of disciplinary hearings. Education records are maintained by the offices that generate or receive those records and the manager of those offices is responsible for the maintenance of those records. The Admissions and Records Office at each college maintains a log of those persons who have been given access to education records as required by FERPA.
2. Request an amendment of their education record if a student believes it is inaccurate or misleading. If a student feels there is an error in their record, then the student should submit a statement to the college official responsible for the record, clearly identifying the part of the record they want to be changed and why they believe it is inaccurate or misleading. That office will notify the student of their decision and advise of any appropriate appeal rights.
3. Consent to disclosure of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. There are several exceptions that permit disclosure without consent, including but not limited to:
    - Disclosure to school officials with "legitimate educational interests." School officials are employees of the district and its colleges, agents with which the district or college has contracted to provide services, the board of trustees, or students serving on a committee or assisting another school official in the performance of their tasks. A legitimate educational interest exists when the school official has a need to know the information in connection with their official duties.
    - "Directory information," which includes a student's name, identification number, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and most recent previous public or private school attended by the student. A student has the right to withhold the release of directory information. To do so, the student must complete a form, which is available in the Admissions and Records Office. However, placing a "No Release" on a student's records means that no one including friends, parents, prospective employers, honor societies, or any other group or individual will be able to obtain this information.
    - Disclosures to officials of another school, school system, or institution of postsecondary education where the student seeks or intends to enroll, or where the student is already enrolled, so long as the disclosure is for the purpose related to the student's enrollment or transfer.
4. File a complaint with the US Department of Education concerning alleged failures by the district or college to comply with the requirements of FERPA. Further information about FERPA and student records can be found in the District Policy P-2265: Access to Student Records (shared/doc/board/policies/P-2265.pdf) and Regulation R-2265: Access to Student Records (shared/doc/board/regulations/R-2265.pdf) or at the college office of the Vice President of Student Services.

Alcohol, Drug, and Smoking Policy

Alcohol and Drug Policy

The abuse of illicit drugs and alcohol disrupts classes, compromises your physical and mental health, subjects you to criminal penalties, and impairs your ability to benefit from the learning experience. We therefore ask the college community to actively support a drug- and alcohol-free learning environment by knowing and making others aware of college policies and the substantial health and legal consequences of abuse.

District Policy

Policy P-2443: Drug and Alcohol-Free Workplace and College Premises (shared/doc/board/policies/P-2443.pdf) states that the district "is committed to maintaining a drug- and alcohol-free workplace in accordance with the requirements of the US Drug-Free Workplace Act of 1988, and a drug- and alcohol-free college environment for students and employees in accordance with the requirements of the Drug-Free Schools and Community Act Amendment of 1989."

Legal Sanctions

The Los Rios Standards of Student Conduct prohibit the use, sale, or possession on campus of, or presence on campus under the influence of, any controlled substance. Controlled substances include cocaine, marijuana, LSD, heroin, methadone, mescaline, peyote, and methaqualone, among others.

If you abuse drugs or alcohol on campus, or appear on campus or at a college-sponsored function under the influence of drugs or alcohol, you can be suspended, expelled, and/or criminally prosecuted. The penalties for the more common offenses are:

- Possession or use of alcohol: year in jail and/or fine
- Possession of marijuana: criminal citation and fine
- Possession of cocaine: imprisonment in a state prison
- Sales of any illegal drug: imprisonment in a state prison
- Possession or use of alcohol by a minor: one year in jail and/or fine
- If you are a student employee, you may be terminated
- You are required to report any convictions within five days of the occurrence
- You will be ineligible for financial aid

Smoking Policy

Per section 2.23 of Regulation R-1411: Use of Facilities (shared/doc/board/regulations/R-1411.pdf), smoking, vaping, and the use of tobacco is prohibited on all district/college property. Smoking is defined as inhaling, exhaling, burning, or carrying any lighted or heated cigar, cigarette, pipe, or any other lighted or heated tobacco or other product intended for inhalation, in any matter or in any form. Smoking also includes the use of e-cigarettes. An e-cigarette is any oral device that provides a vapor of nicotine or any other substance for inhalation. E-cigarettes do not include products approved by the United States Department of Food and Drug Administration for medical treatment.

Computer and Internet Use Policy

Computer Use Policy

The following rules apply to all computer labs on campus. Specific labs may have additional rules.

General Rules

- Equipment use in the lab is intended for class assignments only – use of computers is closely monitored for compliance with acceptable use standards
- Computers are available on a first-come, first-served basis
- Food and/or drinks (including water bottles) are not allowed in computer labs at any time
- Children (under 18) are not allowed to use computer equipment unless they are current Sacramento City College students
- Report problems with computers and/or printers to computer lab staff
- A valid login may be used for assigned purposes only – sharing access with others is not permitted
- All downloading and saving must be to removable media
- Playing games on college computers is prohibited except for class assignments
- When you're done, log off the computer but don't turn the computer off
- Directions from any lab assistant or instructor concerning equipment/facilities or student conduct must be followed in order to continue use of the facilities

Respect Those Around You

- Bring your own headphones for sound control.
- Pets are not allowed, except for service animals.
- Keep noise to a minimum
- Use one workstation per person
- Keep backpacks out of the walkways
- Turn off or silence cell phones and pagers and answer phone calls outside of the lab

Software

- Software may not be copied from computers or network drives
- Installing software or games on computers is prohibited

Internet Use Policy

Internet access is limited to *classroom assignments only*.

The acceptable use standards concerning internet use must be followed where applicable. The following activities are not allowed:

- Transmitting unsolicited information, which contains profane language or panders to bigotry, sexism, or other forms of discrimination
- Using the internet to gain unauthorized access to any computer
- Engaging in personal attacks (writing bullying, intimidating, threatening, or harassing entries)
- Making threats (directed towards others or yourself) without expecting the recipients of those threats, the college, and the police to consider them real
- Transmitting information that contains obscene, indecent, lewd, or lascivious material or other material that explicitly or implicitly refers to sexual conduct. This includes displaying such material where other individuals could potentially view it
- Inappropriate mass mailing, which includes multiple mailing to news groups, mailing lists, or individuals

Attempts by students to obtain, manipulate, delete, or change the contents of another user's files, passwords, etc. are regarded as infractions of the California Computer Crime Penal Code. Attempts to "break" the operating system constitute a felony under this law.

Copyright and Piracy Policy

What is a Copyright?

A copyright is a legal protection that gives the developer of an original piece of work (intellectual or artistic) exclusive rights for a certain time period. Copyright infringement is the unauthorized use of copyrighted material.

What is Piracy?

Piracy is the recreational downloading of copyrighted materials. Piracy is a violation of both federal law and college policy. The Recording Industry Association of America (RIAA) and Motion Pictures Association of America (MPAAP) have been cracking down on piracy in the US and targeting university and college networks, since this is where the highest amount of copyright infringements occur.

What is Peer-to-Peer (P2P) Software?

Peer-to-Peer (P2P) software allows users to download and distribute files from computer to computer across networks using P2P protocols, regardless of whether the user has paid for the files. When users have not paid for these files, they break federal and international copyright laws.

Piracy is not the only down side of using P2P software. P2P software allows users to access your computer and potentially hack into your private data. The result is exposure of your computer to significant security risks from viruses, worms, and hackers that could lead to possible loss of data, identity theft, and other liabilities.

College Actions for Violation

Sharing music, videos, or other copyrighted materials using Peer-to-Peer (P2P) applications over the network exposes you and anyone you share files with to legal action.

If a notice is sent from a trusted agency to Sacramento City College, then the student's account will be blocked from accessing the WiFi network. The student in question may have to go through the college's disciplinary process to regain access.

Summary of Civil and Criminal Penalties for Violation of Federal Copyright Laws

Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute a copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement.

Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than $750 and not more than $30,000 per work infringed. For "willful" infringement, a court may award up to $150,000 per work infringed. A court can, in its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504, 505.

Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to $250,000 per offense.

Additional Resources

- Policy P-8861: Copyright (shared/doc/board/policies/P-8861.pdf)
- US Copyright Office (http://www.copyright.gov)
- Recording Industry Association of America (RIAA) (https://www.riaa.com/resources-learning/about-piracy/)
- Motion Picture Association (MPA) (https://www.motionpictures.org)
- Business Software Alliance (BSA) (http://www.bsa.org/anti-piracy)

Disciplinary Procedures and Due Process

The following are the disciplinary and due process procedures for when a student is referred to the Office of Student Conduct.

1. A student who is referred for discipline is required to meet with the Student Conduct Officer. This referral means the student's alleged behavior is believed to have been a violation of the Los Rios Student Standards of Contact.
2. The student will receive a certified letter via US standard mail notifying them of their referral. In the notification, the student is instructed to make an appointment for an investigative meeting with the Student Conduct Officer.
3. At the informal, investigative meeting, the Student Conduct Officer shall interview the student for the purpose of discussing the alleged misconduct and the disciplinary action that should be taken (if any).
4. At the investigative meeting, the parties shall have the right to present statements, testimony, evidence, and witnesses, except that neither party shall have the right to be represented by an attorney.
5. The investigative meeting is mandatory. If the student fails to make an appointment and/or does not attend the meeting, then the Student Conduct Officer may review the case and initiate disciplinary action without input from the student.
6. After the investigative meeting, the Student Conduct Officer may initiate disciplinary action by filing a notice with the Vice President of Student Services and serving such notice on the student charged. This decision depends entirely on the information obtained during the investigation.
7. The student has the right to request an appeal to the disciplinary action with the Vice President of Student Services no later than seven (7) days after the service of the notice of disciplinary action. A copy of the appeal form will be mailed to you along with your notice of disciplinary action.
8. After an appeal hearing, a written decision will be mailed to the student from the Office of the President within ten days of the conclusion of the hearing.
9. At this point, the final decision for disciplinary action rests with the college president. The president may approve, reject, or modify the written decision. The decision of the college president for disciplinary action is final.

Refer to Regulation R-2442: Due Process (shared/doc/board/regulations/R-2442.pdf) for complete information regarding student standards of conduct and due process.

Contact

For additional information on student conduct, please contact the Student Conduct Officer:

Andre Coleman (Dean, Campus Intervention)
Email: colemaa@scc.losrios.edu
Phone: (916) 650-2929

Plagiarism and Cheating Policy

Academic Integrity and Responsibility

Academic integrity and responsibility mean acting honestly, conscientiously, and honorably in all academic endeavors. Students are accountable for all that they say and write. Since trust is the foundation of an intellectual community, and since student work is the basis for instructors to evaluate student performance in courses, students should not misrepresent their work nor give or receive unauthorized assistance.

Academic Dishonesty

In contrast to academic integrity and responsibility, academic dishonesty takes the form of plagiarism and/or cheating.

Plagiarism

The word plagiarism comes from the Latin word "plagiarius," meaning kidnapper. Plagiarism is generally the taking of words, sentences, organization, and ideas from another source without acknowledging that source.

Plagiarism may include:

- Submitting papers, examinations, or assignments written/completed entirely or in part by others
- Directly copying portions of another's work without enclosing the copied passage in quotation marks for written work or without citing appropriately in an oral presentation and without acknowledging the source in the appropriate scholarly convention whether the work is presented in written or oral form
- Using a unique term or concept without acknowledging the source
- Paraphrasing or summarizing a source's ideas without acknowledging the source
- Replicating a visual presentation, representation, or performance without acknowledging the source

Cheating

Cheating is similar to plagiarism in that it involves representing another's work as one's own. However, cheating often involves more overtly deceptive or fraudulent acts of academic dishonesty designed to gain credit for academic work that is not one's own.

Cheating may include:

- Giving or receiving unauthorized assistance during an examination
- Fabricating or altering a source of data in a laboratory or experiment
- Collaborating with others when collaboration is not permitted, or when the contributions of others are not made clear
- Using unauthorized materials or aids during an examination, including calculators, dictionaries, or information accessed via any electronic devices
- Acquiring, without permission, tests or other academic material belonging to a member of the college faculty or staff

Right-to-Know Program Completion

In compliance with the Student Right-to-Know and Campus Security Act of 1990, completion and transfer rates for students attending Sacramento City College can be found on the California Community College State Chancellor's Office Student Right-to-Know Rate Disclosure Website (http://srtk.cccco.edu/index.asp).

Service Animals on Campus

Students and employees with a disability* who need a service animal may use a service animal (including a service animal in training) on district and college property. Therapy animals and pets are not allowed.

**Disability must be consistent with guidelines set forth by the Americans with Disabilities Act (ADA) and the Fair Employment and Housing Act (FEHA).*

Service Animal Guidelines

Service animals are subject to the following guidelines:

1. A service animal is any dog or a miniature horse that is trained to do work or perform tasks for an individual with a disability.
2. Faculty, staff or student owners of service animals that wish to bring the animal to campus, are requested, but not required, to register their service animal with the Vice President of Student Services or Vice President of Administrative Services. Registration provides a quick way to demonstrate the service animal is properly on campus.
3. If owner applies for registration, owner must provide documentation of their service animal's current shot/vaccination records at the time of registration. Visitors should check in with the Vice President's offices.
4. If owner applies for registration, owner must provide documentation of appropriate licenses.
5. If owner applies for registration, owner should carry proof of service animal registration when accompanied by that service animal on campus.
6. The service animal must be in good health, and free of fleas and external parasites.
7. The service animal must be on a leash at all times.
8. Owner is responsible for all cleanup of animal feces.
9. Service animals that disrupt the learning environment and the ability of others to learn may be excluded from campus.
10. Service animals that are ill, unclean, noisy, or bedraggled will not be allowed on campus.
11. Service animals that show unprovoked aggressive tendencies or are deemed potentially dangerous will not be allowed on campus.
12. Service animals are not permitted to be in the following areas: mechanical rooms/custodial closets, any room where protective gear is worn, or any room that poses a potential danger to the animal.
13. Owner will be financially responsible for any damage or cleaning costs resulting from the animal being brought on to campus. Animals that cause damage may be excluded from the campus.

Individuals who bring a service animal to campus must extend courtesy and respect to colleagues, students, and visitors in the area. Owners are required to keep service animals on a leash and should consider safety, health, and the possible fears others may have in the presence of animals.

Social Media Policy

Social Media Participation Guidelines

As an institution of higher learning, Sacramento City College – by its very nature – embraces the free and open exchange of ideas. To that end, we are committed to the community's First Amendment rights and the core values of free speech.

We believe in fostering a thriving online community. We support the various channels of social networking – Facebook, Twitter, YouTube, Instagram, and so on – as valuable tools for engaging students, staff, faculty, alumni, friends, and supporters in a constructive two-way dialogue about Sacramento City College and its mission.

At the same time, the long-term value, vibrancy, and success of any social media community depends on a shared philosophy of how to behave. It's important that members of our community become familiar with Facebook's Terms of Service (https://www.facebook.com/legal/terms), Twitter's Rules and Policies (https://help.twitter.com/en/rules-and-policies), YouTube's Policies (https://www.youtube.com/about/policies/#community-guidelines), Instagram's Terms of Use (https://help.instagram.com/581066165581870), and similar support sites for social media. The emphasis for all participants – including site administrators – should always be transparency, honesty, respect, and civility.

All content, information, and views expressed on social media belong to the individuals posting the content. These view do not necessarily reflect the official policies or positions of the college, district, or Board of Trustees. We are not responsible for unanswered posts or inaccurate information posted by others.

Here are guidelines for engaging in Sacramento City College social media platforms:

- Be respectful of the rights and opinions of others. Be willing to agree to disagree and move on.
- Stay on topic. Our social media sites are established as forums for the open and honest discussion of matters and developments related to – and limited to – our mission (https://scc.losrios.edu/about-us/our-values).
- Be transparent and honest.
- Add value. Be part of the conversation but don't take it over.
- Avoid hateful speech, personal attacks, flaming, profanity, vulgarity, pornography, nudity, and abusive language.
- Keep personal information (for example, your phone number and address) out of your posts.
- Think before you post. Almost everything you write or post to a social media site – words, pictures, video – is public or can be discovered. If you post on any of our social media sites, then you consent that what you post can be published and you waive any expectation of privacy regarding the post. What you choose to add to the conversation today will live on long after the subject matter has come and gone as a topic of conversation.
- We encourage you to post comments and "like" articles, photos, and videos you enjoy.

On our Facebook, Twitter, YouTube, and Instagram pages and other social media platforms, our goal is to post interesting, entertaining, and educational content. We welcome your comments and suggestions. We encourage conversation and dialogue, but we want to ensure a respectful online environment and invigorating conversation for the broader college community. Our page administrators review posts and comments regularly to ensure any issues or concerns are addressed in a timely manner.

We may or may not reply to comments, but if it's provocative, fair, and insightful, chances are others will engage in the conversation.

We reserve the right to determine and remove from Sacramento City College social media sites any of the following:

- Comments, links, images, or videos that are illegal or encourage illegal activity, or are obscene, defamatory/libelous/slanderous, indecent, lewd, lascivious, sexually harassing or explicit in nature, or pose risks to the health or safety of individuals
- Comments that personally attack or threaten any person
- For students, anything that would violate District policies regarding student regulations (https://losrios.edu/about-los-rios/board-of-trustees/policies-and-regulations)
- For staff and faculty, anything that would violate District policies regarding staff and faculty regulations (https://losrios.edu/about-los-rios/board-of-trustees/policies-and-regulations)
- Successive off-topic posts by one or more individuals or groups
- Repetitive posts copied and pasted or duplicated by one or more individuals or groups
- Solicitations or advertisements
- Any materials that infringe upon the intellectual property or other rights of any third party

Standards of Conduct

Code of Conduct

A student who enrolls at Sacramento City College may rightfully expect that students, faculty, and administrators will maintain an environment in which there is freedom to learn.

Student conduct must comply with federal and state laws, college rules and regulations, and Regulation R-2441: Standards of Conduct (shared/doc/board/regulations/R-2441.pdf). Students who violate such rules and regulations are subject to disciplinary action.

Disciplinary Offenses

Any student found to have committed, or to have attempted to commit, the following misconduct is subject to appropriate disciplinary action:

- Continued disruptive behavior, continued willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance the authority of, or persistent abuse of, members of the college community
- Assault, battery, or any threat of force or violence upon members of the college community
- Willful misconduct which results in injury or death to members of the college community, or which results in cutting, defacing, or other injury to any real or personal property owned by the district

- The use, sale, or possession on campus of, or presence on campus under the influence of, any controlled substance (See alcohol, drug, and smoking policies (https://scc.losrios.edu/about-us/our-values/student-rights-and-responsibilities/alcohol-drug-and-smoking-policies))
- Willful or persistent smoking in any area where smoking has been prohibited by law or district policy (See alcohol, drug, and smoking policies (https://scc.losrios.edu/about-us/our-values/student-rights-and-responsibilities/alcohol-drug-and-smoking-policies))
- Persistent, serious misconduct where other means of correction have failed to bring about proper conduct
- Violation of College rules and regulations including those concerning student organizations, the use of college facilities, or the time, place and manner of public expression and distribution of materials
- Obstruction or disruption of teaching, research, administrative disciplinary procedures or other college activities, including its community service activity, or of other authorized activities on college-controlled premises
- Theft of or non-accidental damage to property of the college or a member of the college community while on campus or at college-sponsored events
- Unauthorized entry to or use of college facilities
- Dishonesty, such as cheating, plagiarism, or furnishing false information to the college; forgery, alteration, or misuse of college documents, records, or identifications (See plagiarism and cheating policies (https://scc.losrios.edu/about-us/our-values/student-rights-and-responsibilities/plagiarism-and-cheating))
- Knowing possession or use of explosives, dangerous chemicals or deadly weapons on college property or at a college function without prior authorization of the college president or designated representative
- Use, possession, distribution or being under the influence of alcoholic beverages, narcotics or dangerous drugs on college property or at college-sponsored events (See alcohol, drug, and smoking policies (https://scc.losrios.edu/about-us/our-values/student-rights-and-responsibilities/alcohol-drug-and-smoking-policies))
- Soliciting or assisting another to do any act which would subject a student to expulsion, suspension, probation or other discipline pursuant to Regulation R-2441: Standards of Conduct (shared/doc/board/regulations/R-2441.pdf)
- Violation of any order of a college president, notice of which has been given prior to such violation, and which order is not inconsistent with any of the other provisions of this policy. This notice may be given by publication in the college newspaper, by posting on an official bulletin board designated for this purpose or by any other means reasonably calculated to inform students of its provisions.
- Attempting to commit an act that would be cause for disciplinary action identified above

Student Grievance and Class-Related Concerns

Steps to Resolution

1. Students should speak with their professor about the concern.
2. Students who feel as though they are unable to speak with their professor or resolve the situation, should then contact the instructional division area dean.

Note: Most complaints, grievances, or disciplinary matters should be resolved at the campus level. This is the quickest and most successful way of resolving issues involving the college. You are encouraged to work through the campus complaint process first.

Contact

For information on how to file a formal grievance, please contact the Student Grievance Officer:

Andre Coleman (Dean, Campus Intervention)
Email: colemaa@scc.losrios.edu
Phone: (916) 650-2929

Additional Grievance Information

Issues that are not resolved at the college or district level may be presented via resources provided by the California Community Colleges Chancellor's Office. Complainants are encouraged to use the official form provided by the Chancellor's office (https://www.cccco.edu/Complaint-Process-Notice), however, that form is not required and complaints will not be considered defective or rejected if you do not use the form.

A student may file a grievance or grieve an action or decision of the district or one of its colleges when the student's status and/or rights have been adversely affected.

Grievances relating to grades are subject to Education Code Section 76224(a), which reads:

> "When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetence, shall be final."

In addition to complaints being filed by students or employees, complaints may be initiated by other individuals or entities, such as a family member, representative, organization, or other third party wishing to file on behalf of an individual or group alleged to have suffered unlawful discrimination or harassment per Los Rios Regulation R-2423: Discrimination and Harassment Complaint Procedures (shared/doc/board/regulations/R-2423.pdf).

Equal Opportunity, Equity, Discrimination, and Harassment

Equal Opportunity

Equal Opportunity is the Law

Sacramento City College is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities through Disability Services and Programs for Students (https://scc.losrios.edu/dsps).

As a recipient of federal financial assistance, it is against the law for Sacramento City College to discriminate against any individual in the US based on the following: race, color, religion, sex (including pregnancy, childbirth, and related medical conditions, sex stereotyping, transgender status, and gender identity), national origin (including limited English proficiency), age, disability, or political affiliation or belief, or, against any beneficiary of, applicant to, or participant in programs financially assisted under Title I of the Workforce Innovation and Opportunity Act, on the basis of the individual's citizenship status or participation in any WIOA Title I-financially assisted program or activity.

Sacramento City College must not discriminate in any of the following areas:

- Deciding who will be admitted, or have access, to any WIOA Title I-financially assisted program or activity
- Providing opportunities in, or treating any person with regard to, such a program or activity
- Making employment decisions in the administration of, or in connection with, such a program or activity

Recipients of federal financial assistance must take reasonable steps to ensure that communications with individuals are as effective as communications with others. This means that, upon request and at no cost to the individual, Sacramento City College is required to provide appropriate auxiliary aids and services to qualified individuals with disabilities.

What to Do If You Believe You Have Experienced Discrimination

If you think that you have been subjected to discrimination under a Workforce Innovation and Opportunity Act (WIOA) Title I financially assisted program or activity, then you may file a complaint within 180 days from the date of the alleged violation with either Sacramento City College's Equal Opportunity Officer (or the person whom the recipient has designated for this purpose) or the Civil Rights Center.

Sacramento City College Equity Officer

Andre Coleman
(916) 650-2929
colemaa@scc.losrios.edu

Civil Rights Center (https://www.dol.gov/agencies/oasam/centers-offices/civil-rights-center)

US Department of Labor
200 Constitution Avenue NW, Room N-4123
Washington, DC 20210

If you file your complaint with Sacramento City College, then you must wait either until Sacramento City College issues a written Notice of Final Action, or until 90 days have passed (whichever is sooner), before filing with the Civil Rights Center (see address above).

If Sacramento City College does not give you a written Notice of Final Action within 90 days of the day on which you filed your complaint, then you may file a complaint with Civil Rights Center before receiving that notice. However, you must file your Civil Rights Center complaint within 30 days of the 90-day deadline (in other words, within 120 days after the day on which you filed your complaint with the recipient).

If Sacramento City College does give you a written Notice of Final Action on your complaint, but you are dissatisfied with the decision or resolution, then you may file a complaint with the Civil Rights Center. You must file your Civil Rights Center complaint within 30 days of the date on which you received the Notice of Final Action.

La Igualdad De Oportunidades Es La Ley

Es contra la ley que este beneficiario de asistencia financiera federal discrimine de la siguiente manera: contra cualquier individuo en los Estados Unidos, sobre la base de raza, color, religión, sexo (incluyendo embarazo, parto y afecciones médicas relacionadas, estereotipos sexuales, estatus de transexuales e identidad de género), origen nacional (incluyendo la competencia limitada en inglés), edad, incapacidad, o afiliación o creencia política o contra cualquier beneficiario de, solicitante o participante en programas con asistencia financiera bajo el Titulo 1 del Workforce Innovation and Opportunity Act (WIOA), sobre la base del estatus de ciudadanía del individuo o la participación en cualquier programa o actividad con asistencia financiera del Título de WIOA.

El destinatario no debe discriminar en ninguna de las siguientes áreas: decidir quién será admitido, o tendrá acceso, a cualquier programa o actividad con asistencia financiera del Título 1 de WIOA; proporcionar oportunidades o el tratar a cualquier persona con respeto a dicho programa o actividad; o, tomar decisiones de empleo en la administración de, o en relación con, tal programa o actividad.

Los destinarios de la asistencia financiera federal deben tomar medidas razonables para garantizar que las comunicaciones con las personas sean tan efectivas como las comunicaciones con los demás. Esto significa que, previa solicitud y sin costo para el individuo, se requiere que los destinarios proporcionen ayuda y servicios auxiliares adecuados a personas calificadas con discapacidades.

Qué Hacer Si Usted Cree Que Ha Experimentado Discriminación

Si usted piensa que ha sido sometido a discriminación bajo una ley de Workforce Innovation and Opportunity Act l (WIOA) Título I programa o actividad asistida financieramente, usted puede presentar una queja dentro de 180 días a partir de la fecha de la presunta violación con cualquier.

El funcionario de Igualdad de Oportunidades del destinario (o la persona a la que el destinatario ha designado para este propósito):

Sacramento City College Oficial de Equidad

Andre Coleman
(916) 650-2929
colemaa@scc.losrios.edu

Civil Rights Center (https://www.dol.gov/agencies/oasam/centers-offices/civil-rights-center)

US Department of Labor
200 Constitution Avenue NW, Room N-4123
Washington, DC 20210

Si presenta su queja con el destinatario, debe esperar hasta que el destinatario emita una Notificación por escrito de la Acción Final. o hasta que hayan pasado 90 días (lo que ocurra primero), antes de presentar su queja con el Civil Rights Center (véase la dirección anterior).

Si el destinatario no le da una Notificación por escrito de la Acción Final dentro de los 90 días del día en que usted presento su queja, usted puede presentar una queja ante el Civil Rights Center antes de recibir ese aviso. Sin embargo, usted debe presentar su queja de Civil Rights Center dentro de 30 días de la fecha límite de 90 días (en otras palabras, dentro de los 120 días después del día en que usted presento su queja con el destinatario).

Si el destinatario le da una Notificación por escrito de la Acción Final sobre su queja, pero usted no está satisfecho con la decisión o resolución, usted puede presentar una queja ante el Civil Rights Center. Usted debe presentar su queja de Civil Rights Center dentro de 30 días de la fecha en que recibió Notificación de le Acción Final.

Non-Discrimination Policy

At Sacramento City College, we value equity and diversity. That's why we work toward just and fair inclusion into a society in which all people can participate, prosper, and reach their full potential.

No person shall be unlawfully discriminated against, harassed, or excluded from any benefits, activities, or programs because they possess of any of the following characteristics (actual or perceived):

- Ethnic group identification
- Race or color
- Sex, gender, gender identity, or gender expression

- Pregnancy or childbirth-related condition
- Sexual orientation or sexual identity
- Religion or religious creed
- Age (over forty)
- National origin or ancestry
- Physical or mental disability
- Medical condition
- Political affiliation or belief
- Military and veteran status
- Marital status

In addition, retaliation against a person who files a complaint, refers a matter for investigation, participates in an investigation, or serves as an advocate for a complainant or respondent is prohibited by district policy.

For more information or to file a complaint, contact the Sacramento City College Equity Officer, Andre Coleman, at colemaa@scc.losrios.edu or (916) 650-2929.

Sexual Harassment or Assault

Title IX (Sex Discrimination)

Title IX of the Educational Amendments of 1972 and subsequent amendments bans sex discrimination in schools, whether it be in academics or athletics. Title IX states: "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance."

The underlying intent of Title IX is to eliminate any form of discrimination based on gender that may interfere with a student's physical well-being, emotional well-being, and academic performance. Colleges and universities receiving federal funds bear an affirmative duty to ensure that no student (male or female) is deprived of an educational opportunity or benefit due to such discrimination.

Gender Harassment

Sex discrimination in the form of gender harassment consists primarily of repeated comments, jokes, and innuendoes directed at persons because of their gender or sexual orientation. This behavior typically is not aimed at eliciting sexual cooperation, but, like racial harassment, it contaminates the learning and work environment and has no place at Sacramento City College.

Examples of gender harassment include the following:

- Disparaging women's intellectual abilities and potential
- Using sexist statements in classroom discussions
- Disparaging the lifestyles or behaviors of gays or lesbians

Sexual Harassment Policy

It is the desire of the Los Rios Community College District Board of Trustees to provide for all students and employees an educational environment and workplace free from sexual harassment. Sexual harassment in any situation is unacceptable and is in violation of state and federal laws and regulations. Where evidence of harassment is found, appropriate corrective action shall be taken.

Definition of Sexual Harassment

Sexual harassment means unwelcome sexual advances, requests for sexual favors, and other verbal, visual, or physical conduct of a sexual nature, made by someone from or in the work or educational setting, under any of the following conditions:

- Submission to the conduct is explicitly or implicitly made a term or a condition of an individual's employment, academic status, or progress

- Submission to, or rejection of, the conduct by the individual is used as the basis of employment or an academic decision affecting the individual
- The conduct has the purpose or effect of having a negative impact upon the individual's work or academic performance, or of creating an intimidating, hostile, or offensive work or educational environment
- Submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the educational institution.

Sexual harassment includes, but is not limited to:

- Making unsolicited written, verbal, visual, or physical contact with sexual overtones. Some examples are:
  - Epithets
  - Derogatory comments or slurs of a sexual nature
  - Impeding or blocking movements or any physical interference with normal work
  - Derogatory posters or cartoons
- Continuing to express sexual interest after being informed that the interest is unwelcome (reciprocal attraction is not considered sexual harassment)
- Within the work environment, engaging in explicit or implicit coercive sexual behavior which controls, influences, or affects the career, salary, and/or work environment, or any other term or condition of employment
- Within the educational environment, engaging in explicit or implicit coercive sexual behavior which controls, influences, or affects the educational opportunities, grades, and/or learning environment of the student
- Making reprisals, threats of reprisal, or implied threats of reprisal following a negative response to a sexual advance. For example, within the work environment, either suggesting or actually withholding support for an appointment, promotion, or change of assignment; suggesting a poor performance report will be prepared; or suggesting probation will be failed. Within the educational environment, either suggesting or actually withholding grades earned or deserved; suggesting a poor performance evaluation will be prepared; or suggesting a scholarship recommendation or college application will be denied
- Offering favors of educational or employment benefits, such as grades or promotions, favorable performance evaluations, favorable assignments, favorable duties or shifts, recommendations, reclassifications, and so on, in exchange for sexual favors.

Sexual Assault

Sexual assault includes, but is not limited to:

- Rape
- Forced sodomy
- Forced oral copulation
- Rape by a foreign object
- Sexual battery
- Domestic violence
- Dating violence
- Stalking
- Threat of sexual assault

Sexual assault is a form of sexual harassment and should be reported under the district's Discrimination and Harassment Procedures Policy P-2423 (shared/doc/board/policies/P-2423.pdf) and Regulation R-2423 (shared/doc/board/regulations/R-2423.pdf).

Sexual Violence

Sexual violence means physical sexual acts perpetrated against a person's will or where a person is incapable of giving consent due to the victim's use of drugs or alcohol. An individual also may be unable to give consent due to an intellectual or other disability. Sexual violence includes, but is not limited to, rape, sexual assault, sexual battery, and sexual coercion.

Consent

Consent is the informed, affirmative, conscious decision by each participant to engage in mutually agreed-upon sexual activity.

Consent must be voluntary, and given without coercion, force, threats, or intimidation. Consent requires positive cooperation in a particular sexual act, or expression of intent to engage in that sexual act through the exercise of free will.

Consent can be withdrawn or revoked. Consent to one form of sexual activity (or one sexual act) does not constitute consent to other forms of sexual activity (or other sexual acts). Consent to sexual activity given on one occasion does not constitute consent to sexual activity on another occasion. The fact that two people are, or were in, a dating or sexual relationship does not constitute consent to engage in sexual activity. There must always be mutual and affirmative consent to engage in sexual activity. Consent to a sexual act may be withdrawn or revoked at any time, including after penetration. The victim's request for the perpetrator to use a condom or birth control does not, in and of itself, constitute consent. Once consent is withdrawn or revoked, the sexual activity must stop immediately.

Consent cannot be given by a person who is incapacitated. For example, a person cannot give consent if she/he is unconscious or coming in and out of consciousness. A person is incapacitated if she/he lacks the physical and/or mental ability to make informed, rational judgments. Examples of incapacitation include unconsciousness, sleep, and blackouts. Whether an intoxicated person (as a result of using alcohol or other drugs) is incapacitated depends on the extent to which the alcohol or other drugs impact the person's decision-making capacity, awareness of consequences, and ability to make fully informed judgments. A person with a medical or mental disability may also lack the capacity to give consent.

Being intoxicated by drugs or alcohol does not diminish a person's responsibility to obtain consent from the other party before engaging in sexual activity. Factors to be considered include whether the person knew, or whether a reasonable person in the accused's position should have known, that the victim did not give, or revoked, consent; was incapacitated; or was otherwise incapable of giving consent.

Sexual intercourse with a minor is never consensual when the victim is under 18 years old, because the victim is considered incapable of giving legal consent due to age.

Domestic Violence

Domestic violence is a form of sexual violence and is abuse committed against someone who is a current or former spouse, current or former cohabitant, someone with whom the abuser has a child, someone with whom the abuser has or had a dating or engagement relationship, or a person similarly situated under California domestic or family violence law.

Cohabitant means two unrelated persons living together for a substantial period of time, resulting in some permanency of relationship. Factors that may determine whether persons are cohabiting include, but are not limited to:

1. Sexual relations between the parties while sharing the same living quarters
2. Sharing of income or expenses
3. Joint use or ownership of property
4. Whether the parties hold themselves out as husband and wife
5. The continuity of the relationship
6. The length of the relationship

Dating Violence

Dating violence is a form of sexual violence and is abuse committed by a person who is, or has been, in a social or dating relationship of a romantic or intimate nature with the victim. This may include someone the victim just met; for example, a person they met at a party, were introduced to through a friend, or met on a social networking website.

Stalking

Stalking means a repeated course of conduct directed at a specific person (when based on gender or sex) that places that person in reasonable fear for his/her or others' safety, or to suffer substantial emotional distress.

Resources

For issues regarding sexual harassment and assault, the following resources are available:

- Los Rios Police, (916) 558-2221
- WEAVE Confidential Advocate, (916) 568-3011 or WEAVE@losrios.edu
- Andre Coleman, Title IX Coordinator, (916) 650-2929 or colemaa@scc.losrios.edu

Types of Harassment

It is a priority of Sacramento City College to prevent and respond to all forms of harassment, including bullying, psychological harassment, racial harassment, religious harassment, stalking, mobbing, hazing, and backlash.

Bullying

Bullying is physical and psychological harassing behavior perpetrated against an individual, by one or more persons. Bullying can occur on the playground, in school, on the job, or any other place.

HB 1576 defines bullying as recklessly or intentionally endangering the health or safety of a student by exposing the student repeatedly and over time to physical aggression or intimidation, whether through direct physical contact or through the use of information or communication technology, resulting in bodily injury or other harm to person or property. This definition does not supersede or limit any definition of bullying developed by the Board of Education or the actual codes of student conduct adopted by school boards pursuant to Section 22.1-279.6. Bullying is punishable as a Class 1 misdemeanor.

Workplace bullying is repeated, health-harming mistreatment of one or more persons (the targets) by one or more perpetrators that takes one or more of the following forms:

- Verbal abuse
- Offensive conduct/behaviors (including nonverbal) which are threatening, humiliating, or intimidating
- Work interference (sabotage) which prevents work from getting done

Psychological Harassment

Psychological harassment is humiliating or abusive behavior that lowers a person's self-esteem or causes them torment. This can take the form of verbal comments, actions, or gestures. Workplace mobbing is considered psychological harassment.

Racial Harassment

Racial harassment is the targeting of an individual because of their race or ethnicity. The harassment includes words, deeds, and actions that are specifically designed to make the target feel degraded due to their race of origin or ethnicity.

Religious Harassment

Religious harassment is verbal, psychological, or physical harassment used against targets because they choose to practice a specific religion. Religious harassment can also include forced and involuntary conversions.

Stalking

Stalking is the unauthorized following and surveillance of an individual, to the extent that the person's privacy is unacceptably intruded upon and the victim fears for their safety.

Mobbing

Mobbing is violence committed directly or indirectly by a loosely affiliated and organized group of individuals to punish or even execute a person for an alleged offense without a lawful trial. The "offense" can range from a serious crime, like murder to simple expression of ethnic, cultural, or religious attitudes. The issue of the victim's actual guilt or innocence is often irrelevant to the mob, since the mob relies on contentions that are unverifiable, unsubstantiated, or completely fabricated.

Hazing

Hazing is persecuting, harassing, or torturing in a deliberate, calculated, planned manner. Typically the targeted individual is a subordinate, for example, a fraternity pledge, a first-year military cadet, or somebody who is considered "inferior" or an "outsider." Hazing is illegal in many instances.

Backlash

Backlash or "victim blaming" occurs when the harasser or other people in the environment blame the victim for the harassment or the resulting controversies and conflicts after the harassment is reported or discovered.

Backlash results when people erroneously believe the victim could stop the harassment if they really tried, or that the victim must have done something to cause the harassment. The victim may be accused of trying to get attention, covering for incompetence, or in cases where the harassment is proven, lying about the extent of the effects.

Outdated attitudes about certain kinds of harassment remain and there is often social pressure for victims to keep quiet about abuse or suffer the consequences.

Discrimination and Harassment Complaint Procedures

How to File a Complaint

To file a complaint, fill out a Discrimination Complaint Form (lrccd/shared/doc/legal/discrimination-complaint-form.pdf) and submit it to your equity officer. This form *is not required* and a complaint will not be rejected based on failure to use the form.

For more information or to file a complaint, contact the Sacramento City College Equity Officer, Andre Coleman, at colemaa@scc.losrios.edu or (916) 650-2929.

Complaint Resolution

If it is determined that misconduct occurred, then Sacramento City College will take immediate steps to halt misconduct and remedy any effects of that misconduct.

An equity officer will hold an informal conference if the complainant wants to try and resolve the complaint informally. The equity officer will provide information about applicable laws and rules. If an informal resolution is not reached or if the complainant disagrees with the recommendation made, then the complainant may engage in a formal resolution process.

Graduation and Transfer

Associate Degree Graduation Requirements

Note: the following information applies to the catalog year that includes summer 2021, fall 2021, and spring 2022.

All students must satisfy the following requirements to earn an Associate in Arts (AA) or an Associate in Science (AS) degree from Sacramento City College:

1. Completion of a minimum of 60 degree-applicable units with an overall grade point average (GPA) of 2.0 ("C" average). A minimum of 12 units must be completed at Sacramento City College.
2. Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College. See a list of majors (https://scc.losrios.edu/2021-2022-official-catalog/programs-of-study/list-of-programs).
3. Completion of Sacramento City College's general education requirements (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/associate-degree-graduation-requirements#ge) – Area I; Area II(a) and II(b); Area III(a) and III(b), or Area III(c); Area IV; Area V; and Area VI – with an overall 2.0 GPA.
4. Completion of all three competency requirements (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/associate-degree-graduation-requirements#competency) (reading, writing, and mathematics).

Exception

Students who possess a bachelor's (BA/BS) or higher degree from a college or university accredited through a regional accrediting agency recognized by the Council for Higher Education Accreditation (CHEA) are deemed to have satisfied both the general education and graduation competency requirements for an AA/AS degree. Degrees from accredited institutions outside of the US will be evaluated on a case-by-case basis.

2021-2022 Graduation Competency Requirements

Demonstrate college-level competence in reading, written expression, and mathematics by completing the following:

1. **Reading Competency** (one of the following) –
    - Completion of one of the following general education patterns:
        - Sacramento City College's General Education pattern (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/associate-degree-graduation-requirements#ge)
        - California State University (CSU) General Education (GE) Breadth pattern
        - Intersegmental General Education Transfer Curriculum (IGETC) pattern
    - Possession of an associate (AA/AS) degree or higher from a regionally accredited college in the US
    - Show proof that reading competency has been met at any California community college
2. **Written Expression Competency** (one of the following) –
    - Completion with a grade of "C" or better of one of the following: **BUS** 310; **ENGWR** 300, 488; **ESLW** 340
    - Completion with a grade of "C" or better of an equivalent college writing course at a regionally accredited college in the US
3. **Mathematics Competency** (one of the following) –
    - Completion with a grade of "C" or better of one of the following: **ECON** 310; **MATH** 110, 120, 121, 124, 135, 140, 300, 310, 335, 340, 342, 350, 351, 355, 356, 370, 372, 373, 400, 401, 402, 410, 420; **PSYC** 330; **STAT** 300, 480
    - Completion with a grade of "C" or better of an equivalent college math course at a regionally accredited college in the US or completion with a grade of "C" or better of a course that meets mathematics competency at the California community college where it was completed
    - Obtain a satisfactory score on a mathematics competency examination used district-wide for graduation
    - Possession of a bachelor's degree or higher from a regionally accredited college in the US

2021-2022 General Education Requirements for AA/AS Degrees

I. Humanities

Choose one course for a minimum of three units.

Area	Courses
Humanities	**ANTH** 331; **ARABIC** 401, 402; **ART** 300, 320, 390, 430, 440; **ARTH** 300, 301, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 332, 334, 410, 420, 484, 486, 487, 488; **CANT** 401, 402, 411, 412; **COMM** 305; **DEAF** 310, 312, 314, 316, 352, 380; **ENGCW** 400, 410, 420, 431; **ENGLT** 301, 303, 304, 310, 311, 317, 320, 321, 327, 331, 332, 334, 335, 345, 346, 360, 365, 370, 380, 392, 400, 401, 403, 404, 480, 481; **ENGWR** 301*, 303; **ESLR** 340; **FASHN** 330; **FREN** 401, 402, 411, 412; **GREEK** 401, 402; **HIST** 300*, 302*, 373*, 380*; **HUM** 300, 310, 320, 332, 352, 370; **INDIS** 350*, 351*, 352*, 353*; **ITAL** 401, 402; **JAPAN** 401, 402, 411, 412; **KOREAN** 401, 402; **MAND** 401, 402, 411, 412; **MUFHL** 305, 309, 310, 311, 315, 320, 330, 400, 481, 482; **PHIL** 300*, 306, 310, 330, 331, 338, 352, 368*, 480, 481; **PHOTO** 302; **PNJABI** 401, 402; **PRSIAN** 401, 402; **RUSS** 101, 102, 401, 402, 411, 412; **SPAN** 401, 402, 411, 412, 413, 415, 425, 427; **TA** 300, 302, 303, 304, 308, 454, 455; **TAFILM** 300, 302, 303, 304, 307, 309; **TGLG** 401, 402; **VIET** 401, 402

II. Language and Rationality

Choose two courses for a minimum of six units. Complete one course (three units minimum) in each area.

Area	Courses
a) English Composition	**BUS** 310; **ENGWR** 300, 301*, 302*, 303, 482*, 488*; **ESLW** 340
b) Communication and Analytical Thinking	**AERO** 300; **CISC** 310; **CISN** 300, 302, 303, 304, 306, 308, 315 (two units), 320, 336, 340, 341, 346, 378; **CISP** 301, 310, 320, 350, 358, 359, 360, 400, 401, 430, 440; **CISS** 321; **CISW** 327, 400, 410; **COMM** 301, 303, 311, 315, 316, 331, 341*, 361, 481; **ECE** 326; **ECON** 310; **ENGLT** 328; **ENGRD** 310; **ENGWR** 302*, 303, 482*, 488*; **ET** 314; **MATH** 110, 120, 124, 135, 140, 300, 310, 335, 340, 342, 350, 351, 352, 355, 356, 370, 372, 373, 400, 401, 402, 410, 420; **MET** 352; **PHIL** 300*, 320, 325; **PSYC** 330, 335; **SOC** 302, 305*; **STAT** 300, 480; **SURVY** 300

III. Living Skills

Choose one course from area III(a) and a minimum of two units from area III(b), for a minimum of three units total. Alternatively, this area can be fulfilled by completion of area III(c).

Area	Courses
a) Physical Education	Choose any activity course with a course prefix of one of the following: **FITNS**, **KINES**, **PACT**, **SPORT**, **TMACT**
b) Life Development Skills	**ADMJ** 303*, 340; **AH** 126, 301; **BUS** 320, 498 (minimum two units); **COMM** 321, 335; **ECE** 314*, 415; **EDT** 498 (minimum two units); **FASHN** 301; **FCS** 320*, 324*; **GERON** 300*, 301, 302; **HCD** 110, 310, 312, 330 (one unit); **HEED** 300, 301, 340, 353; **INDIS** 240 (one unit), 313, 340 (one unit); **KINES** 352, 412, 418; **LIBR** 318 (one unit), 325; **LIBT** 325; **NUTRI** 300*, 302, 310, 322, 330, 333, 335, 480*; **PSYC** 356*, 358*, 360, 370*, 374, 390*, 392, 405*, 410; **SOC** 310*, 335*, 344*; **WEXP** 198, 498 (minimum two units); **WGS** 300
c) Military Service Credit	Completion of military basic training documented on DD214. Submit DD214 to the Admission and Records office.

IV. Natural Sciences

Choose one course for a minimum of three units. Courses with (L) indicate a lab course only for one unit.

Area	Courses
Natural Sciences	**ADMJ** 332; **ANTH** 300, 301 (L), 303*, 480; **ASTR** 310, 320, 330, 400 (L); **BIOL** 100, 305, 308, 309 (L), 310, 314, 320, 321, 326, 327, 330, 332, 342, 349, 350, 351, 352, 370, 402, 412, 422, 430, 431, 434, 440; **CHEM** 300, 305, 306, 309, 320, 330, 333, 336, 400, 401, 410, 420, 421, 425, 426; **GEOG** 300, 301 (L), 302, 305, 306, 308, 331; **GEOL** 300, 301 (L), 302, 305, 306 (L), 308, 310, 311 (L), 325, 345; **GERON** 301; **NUTRI** 300*, 480*; **PHYS** 310, 350, 360, 410, 420, 430; **PSYC** 310, 311 (L), 314, 315, 316

V. Social and Behavioral Sciences

Choose two courses for a minimum of six units. Complete one course (three units minimum) in each area.

Area	Courses
a) American Institutions	**HIST** 310, 311*, 314*, 320*, 321*, 327, 483*, 484*, 485*, 486*, 487*; **POLS** 301, 304, 481
b) Social/ Behavioral Sciences	**ADMJ** 300, 302, 304, 332, 349; **ANTH** 303, 310, 320, 323, 324, 325, 331*, 332, 334, 341, 481; **BUS** 300, 330, 345; **COMM** 325, 341*, 351; **DEAF** 351, 352, 355; **ECE** 312, 314*; **ECON** 100, 302, 304; **ENGWR** 384; **ETHNS** 300, 320, 330, 340, 341, 350, 351; **FCS** 320*, 324; **GEOG** 310, 320; **GERON** 300*; **GLST** 301, 302; **HIST** 300*, 302*, 307, 308, 309, 310*, 311*, 314*, 320*, 321*, 327, 344, 360, 364, 365, 373*, 375, 380*, 381, 483*, 484*, 485*, 486*, 487*; **INDIS** 350*, 351*, 352*, 353*; **JOUR** 310, 320; **PHIL** 368*; **POLS** 301*, 302, 303, 304*, 310, 312, 313, 320, 322, 340, 350, 480; **PSYC** 300, 320, 340, 352, 356*, 358*, 360, 364, 367, 370, 390*, 480; **SJS** 300; **SOC** 300, 301, 305*, 310*, 318, 319, 321, 335*, 341, 343, 344*, 345, 347, 350, 380, 382, 385 (maximum one unit), 480, 481, 482; **WGS** 300, 302, 304

VI. Ethnic/Multicultural Studies

Choose a minimum of three units from the following courses. These courses may also be used to meet other GE requirements. The effective date and term are listed in parentheses.

Area	Courses
Ethnic/ Multicultural Studies	**ADMJ** 302 (Fall 1998); **AH** 301 (Fall 2007); **ANTH** 310 (Fall 1997), 324 (Fall 2019), 331 (Fall 1996), 332 (Fall 1995), 334 (Fall 1995), 341 (Fall 2005), 481 (Fall 1997); **ARTH** 320 (Fall 1993), 324 (Fall 1993), 325 (Fall 2007), 328 (Fall 1993), 332 (Fall 1993); **BUS** 330 (Fall 2004); **COMM** 325 (Fall 1993); **DEAF** 355 (Fall 2015), 362 (Spring 2016); **ECE** 430 (Fall 1993); **ENGLT** 327 (Fall 2006), 331 (Fall 2008), 332 (Fall 2008), 334 (Fall 1995), 335 (Fall 1999), 345 (Fall 2009), 346 (Fall 1999), 360 (Fall 1997), 365 (Fall 2009), 480 (Fall 1995), 481 (Fall 1995); **ESLR** 340 (Fall 2015); **ETHNS** 300 (Fall 2015), 320 (Fall 2015), 330 (Fall 2015), 340 (Fall 2015), 341 (Fall 2015), 350 (Fall 2015), 351 (Fall 2015); **GEOG** 310 (Fall 1995); **GLST** 301 (Fall 2018), 302 (Fall 2018); **HIST** 307 (Fall 1998), 308 (Fall 1998), 309 (Fall 1993), 310 (Fall 1999), 311 (Fall 1999), 314 (Fall 2012), 320 (Fall 1993), 321 (Fall 1993), 327 (Fall 2018), 344 (Fall 1996), 360 (Fall 2003), 364 (Fall 1993), 365 (Fall 1993), 373 (Fall 1993), 375 (Fall 2012), 380 (Fall 2004), 381 (Fall 2014), 483 (Fall 2000), 484 (Fall 2000), 485 (Fall 2017), 486 (Fall 2017), 487 (Fall 2017); **HUM** 320 (Fall 2016); **JOUR** 320 (Fall 1995); **MUFHL** 330 (Fall 2006); **NUTRI** 310 (Fall 2009); **PHIL** 352 (Fall 1993); **POLS** 312 (Fall 2007), 480 (Spring 2015); **PSYC** 367 (Fall 2013); **SOC** 321 (Fall 1993), 482 (Fall 2014); **TA** 308 (Fall 2001), 454 (Fall 1993), 455 (Fall 1993); **TAFILM** 307 (Spring 2014)

* These courses are listed in more than one area but may be used to satisfy a requirement in **only one** general education area, except area VI. Ethnic/Multicultural Studies.

Catalog Rights

For the purpose of graduating or earning a certificate from any college in the Los Rios Community College District, a student who attends at least one session (whether quarter, semester, or summer) in each calendar year at any California community college, California State University, University of California, or any regionally accredited institution of higher education, may choose to meet the requirements in effect at the Los Rios college from which the student intends to graduate, as follows:

- Requirements that were in effect at the time the student was admitted to a Los Rios college
- Requirements that were in effect at the time the student originally enrolled in an accredited college
- Requirements that were in effect at the intended date of graduation from a Los Rios college

Please note:

- A college may authorize or request substitution for discontinued courses.
- Students who change their major field of study may be required to complete those requirements for the major in effect at the point of change.
- For purposes of this section, "attendance" means taking classes in at least one session (semester or summer session) in each calendar year. Absence for attendance at another regionally accredited institution shall not be considered an interruption in attendance, per Los Rios Policy P-7242: Establishing Catalog Rights (shared/doc/board/policies/P-7242.pdf).

Petition for a Certificate

How to Petition for a Certificate

Students can file a petition for a certificate using our online certificate petition form (https://scc.losrios.edu/why-scc/graduation-and-transfer/graduating-from-scc/petition-for-a-degree-or-certificate/certificate-petition-form), or they can file a petition in person in the Admissions and Records Office (https://scc.losrios.edu/admissions/admissions-and-records-office). Sacramento City College does not automatically confer certificates because requirements vary from program to program.

Requirements

To petition for a certificate, students must:

1. Know their catalog year.*
2. Complete all certificate requirements with a minimum grade point average (GPA) of 2.0.
3. Complete at least 12 degree-applicable units toward the certificate at Sacramento City College. (This does not apply to Certificate of Recognition programs that are less than 12 units.)

** Usually, students follow the current catalog year. However, if you are following certificate requirements from an old catalog, then you must have maintained catalog rights (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/petition-for-a-certificate#catalog-rights).*

Required Documentation

The following must be on file in the Admissions and Records Office for a certificate petition to be processed:

- Official transcripts of all coursework completed at colleges outside of the Los Rios Community College District
- Official copies of AP/IB/CLEP test scores, if applicable
- A copy of DD214-military discharge papers, if veteran desires credit for military units
- List of courses in progress if attending another college
- Official final transcripts will be required at the end of the semester for final certificate evaluation
- Copy of any required competency tests, if applicable

Students must complete all certificate requirements by the end of the semester in which they petition for a certificate.

Petition Deadlines for 2021-2022

- Summer 2021: Friday, June 18, 2021
- Fall 2021: Friday, October 1, 2021
- Spring 2022: Friday, March 4, 2022

Approval or Denial

Final evaluations begin after final grades are posted at the end of each respective term/semester.

You will be notified via email if your petition is approved or denied.

If denied, then you will be notified of the missing requirements and advised to submit a new petition. If approved, then your certificate will be posted to your transcript within three to four months after the end of the semester.

All certificates will be mailed to the student's address on file. If you need an accommodation to pick up a certificate in person, then contact the Admissions and Records office.

Petition Semester	Petition Deadline	Approval/Denial Date	Mailed or Ready for Pick-Up
Summer	Third Friday in June	End of October	Early December
Fall	First Friday in October	End of March	End of April
Spring	First Friday in March	End of August	End of October

Catalog Rights

For the purpose of graduating or earning a certificate from any college in the Los Rios Community College District, a student who attends at least one session (whether quarter, semester, or summer) in each calendar year at any California community college, California State University, University of California, or any regionally accredited institution of higher education, may choose to meet the requirements in effect at the Los Rios college from which the student intends to graduate, as follows:

- Requirements that were in effect at the time the student was admitted to a Los Rios college
- Requirements that were in effect at the time the student originally enrolled in an accredited college
- Requirements that were in effect at the intended date of graduation from a Los Rios college

Please note:

- A college may authorize or request substitution for discontinued courses.
- Students who change their major field of study may be required to complete those requirements for the major in effect at the point of change.
- For purposes of this section, "attendance" means taking classes in at least one session (semester or summer session) in each calendar year. Absence for attendance at another regionally accredited institution shall not be considered an interruption in attendance, per Los Rios Policy P-7242: Establishing Catalog Rights (shared/doc/board/policies/P-7242.pdf).

Certificate Programs

Sacramento City College offers two types of certificates:

Certificate of Achievement

The Certificate of Achievement certifies that a student has completed all required courses and is prepared to enter the career designated on their certificate. Certificate of Achievement programs are developed to provide vocational training for students who are not necessarily seeking a college degree. Certificates of Achievement require a grade of "C" or better in each course with a minimum of 12 degree-applicable units completed at Sacramento City College.

Certificate of Recognition

Certificates of Recognition are intended to certify that students are prepared to meet specific occupational needs, upgrade skills, or advance in an existing career. Certificates of Recognition require fewer than 16 units with a grade of "C" or better in each course. At least 12 units toward the degree must be completed at Sacramento City College. If the certificate requires fewer than 12 units, then students must take the number of units required by the certificate at Sacramento City College. As long as the units a student takes are degree- or transfer-applicable, they do not necessarily have to be the specific units required for the certificate.

Certificates of Recognition are not noted on transcripts.

Petition for a Degree

How to Petition for a Degree

Students can file a online petition for a degree (https://scc.losrios.edu/why-scc/graduation-and-transfer/graduating-from-scc/petition-for-a-degree-or-certificate/degree-petition-form) or online petition for a transfer degree (https://scc.losrios.edu/why-scc/graduation-and-transfer/graduating-from-scc/petition-for-a-degree-or-certificate/degree-for-transfer-petition-form). Students can also file a petition in person in the Admissions and Records Office (https://scc.losrios.edu/admissions/admissions-and-records-office). Sacramento City College does not automatically confer certificates because requirements vary from program to program.

Requirements

To petition for a degree, students must:

1. Know their catalog year*
2. Complete all degree requirements with a minimum grade point average (GPA) of 2.0
3. Complete at least 12 units toward the degree at Sacramento City College

** Usually, students follow the catalog year from which they began and maintained enrollment or the current catalog year. If you have questions about your catalog year, then please consult the information about catalog rights (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/petition-for-a-degree#catalog-rights) or a counselor.*

Required Documentation

The following must be on file in the Admissions and Records Office for a degree petition to be processed:

- Official transcripts of all coursework completed at colleges outside of the Los Rios Community College District
- Official copies of AP/IB/CLEP test scores, if applicable
- A copy of DD214-military discharge papers, if veteran desires credit for military units
- List of courses in progress if attending another college and official final transcripts will be required at the end of the semester for final degree evaluation
- Copy of any required competency tests, if applicable

Students must complete all degree requirements by the end of the semester in which they petition for a degree.

Petition Deadlines for 2021-2022

- Summer 2021: Friday, June 18, 2021
- Fall 2021: Friday, October 1, 2021
- Spring 2022: Friday, March 4, 2022

Approval or Denial

Final evaluations begin after final grades are posted at the end of each respective term/semester.

You will be notified via email if your petition is approved or denied.

If denied, then you will be notified of the missing requirements and advised to submit a new petition. If approved, then your degree will be posted to your transcript within three to four months after the end of the semester.

All diplomas will be mailed to the student's address on file. If you need an accommodation to pick up your diploma in person, then please contact the Admissions and Records office.

Petition Semester	Petition Deadline	Approval/Denial Date	Mailed or Ready for Pick-Up
Summer	Third Friday in June	End of October	Early December
Fall	First Friday in October	End of March	End of April
Spring	First Friday in March	End of August	End of October

Catalog Rights

For the purpose of graduating or earning a certificate from any college in the Los Rios Community College District, a student who attends at least one session (whether quarter, semester, or summer) in each calendar year at any California community college, California State University, University of California, or any regionally accredited institution of higher education, may choose to meet the requirements in effect at the Los Rios college from which the student intends to graduate, as follows:

- Requirements that were in effect at the time the student was admitted to a Los Rios college
- Requirements that were in effect at the time the student originally enrolled in an accredited college
- Requirements that were in effect at the intended date of graduation from a Los Rios college

Please note:

- A college may authorize or request substitution for discontinued courses.
- Students who change their major field of study may be required to complete those requirements for the major in effect at the point of change.
- For purposes of this section, "attendance" means taking classes in at least one session (semester or summer session) in each calendar year. Absence for attendance at another regionally accredited institution shall not be considered an interruption in attendance, per Los Rios Policy P-7242: Establishing Catalog Rights (shared/doc/board/policies/P-7242.pdf).

Sacramento City College offers associate degrees, certificates, and transfer opportunities, as well as courses in general education.

Degree Programs

Associate in Arts Degree (AA)

The Associate degree may be obtained by the completion of all required courses for a major (18 units or more) with grades of "C" or better in each course, fulfillment of general education requirements, satisfaction of competencies, and completion of sufficient electives to meet a minimum total of 60 units with a grade point average of 2.0 ("C" average). At least 12 units toward the degree must be completed at Sacramento City College.

Associate in Science Degree (AS)

The Associate degree may be obtained by the completion of all required courses for a major (18 units or more) with grades of "C" or better in each course, fulfillment of general education requirements, satisfaction of competencies, and completion of sufficient electives to meet a minimum total of 60 units with a grade point average of 2.0 ("C" average). At least 12 units toward the degree must be completed at Sacramento City College. An Associate in Science Degree includes all science, technology, engineering, and mathematics (STEM) disciplines and career education (CE) fields.

Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T)

The following are the Associate Degree for Transfer (ADT) student completion requirements (as stated in SB 1440 law):

1. Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
    A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University (CSU) General Education Breadth Requirements.
    B. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

At least 12 units toward the degree must be completed at Sacramento City College.

Visit A Degree With A Guarantee: Associate Degree for Transfer (https://adegreewithaguarantee.com) to learn more.

Commencement

Sacramento City College has one commencement ceremony in May of each year, at the end of the spring semester. Students who meet and satisfy the graduation requirements during the prior summer term (August), prior fall semester (December), or during the spring semester may participate in the graduation commencement exercise.

All students who are eligible for an associate degree must petition for graduation.

Preparing to Transfer

Make a Plan for Transfer Success

Students who plan to transfer to the California State University (CSU) system, the University of California (UC) system, or to a private or out-of-state college or university should make an education plan with a counselor. This will ensure you meet the requirements for the specific institution you plan to attend.

Transfer eligibility is based on transferable college units and/or high school records and test scores. Each institution has its own admission requirements. To prepare for transfer:

1. Decide where you want to transfer
2. Talk to a counselor about that school's specific requirements
3. Create an education plan

Transfer to California State University

Transfer Requirements

Students who plan to transfer to the California State University (CSU) system must meet certain requirements. The requirements differ based on whether you:

1. Were eligible for admission to a CSU directly after high school
2. Are only now eligible for admission through community college transfer

A maximum of 70 transferable units completed at California community colleges can be applied to a baccalaureate degree. Coursework completed that exceeds the 70-unit maximum may be given "subject credit" after transfer. Consult with a counselor.

Eligible for Transfer After High School

High school eligibility is based on test scores, grade point averages, and completion of specific subject area requirements.

Eligible for Transfer Through Community College

If you were not eligible for admission to a CSU when you graduated from high school, then you may be eligible for transfer after you complete the following at a California community college:

1. A minimum of 60 transferable units with a 2.0 grade point average*
2. Either of the following general education requirements:
    1. At least 30 units of CSU general education requirements (https://scc.losrios.edu/catalog/csu-ge), including:
        1. Area A1, A2, and A3
        2. Area B4
    2. Intersegmental General Education Transfer Curriculum (IGETC) requirements (https://scc.losrios.edu/catalog/igetc)

In addition to general education and graduation requirements, we encourage you to complete lower-division preparatory courses for your major as required by the CSU to which you want to transfer. You can find lower-division major requirements at assist.org (https://assist.org), the official state-wide repository for transfer and course articulation information.

* *GPA requirements are higher for campuses or majors that are impacted or more competitive. The minimum GPA for international or non-resident students is 2.4 instead of 2.0.*

Application Dates and Deadlines

Priority application deadlines for CSU:

- For fall admission, October 1 to November 30 of the prior year

- For spring admission, August 1 to 31 of the prior year

Transfer to University of California

Transfer Requirements

Students who plan to transfer to the University of California (UC) system must meet certain requirements. The requirements are slightly different, based on whether you:

- Were eligible for admission to a UC directly after high school
- Are only now eligible through community college transfer

A maximum of 70 UC-transferable units completed at California community colleges can be applied to a baccalaureate degree. Coursework completed that exceeds the 70-unit maximum may be given "subject credit" after transfer. Consult with a counselor.

Eligible for Transfer After High School

If you were eligible for admission to a particular UC when you graduated from high school, then you are eligible to transfer at any time if you maintain a 2.0 grade point average in transferable coursework.

Eligible for Transfer Through Community College

Subject Requirement

If you met the scholarship requirement after high school – but not the subject requirement – then you must do all of the following to transfer to a UC:

1. Take transferable college courses in the missing subject areas
2. Earn a C or better in each required course
3. Have a 2.0 grade point average (GPA) in all transferable coursework

Examination Requirement

If you met the scholarship requirement – but not the examination requirement – then you must complete a minimum of 12 semester units of transferable work and maintain a 2.0 grade point average in transferable coursework.

Scholarship Requirement

If you did not meet the scholarship requirement, then you must do the following:

1. Complete 60 units of UC-transferable college credit with a grade point average of at least 2.4 (for California residents) or 2.8 (for non-residents)
2. Complete the following course pattern, earning a grade of C or better in each course: [1]
    - Two transferable courses (three units each) in English composition
    - One transferable course (three units) in mathematical concepts and quantitative reasoning
    - Four transferable courses (three units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, or the physical and biological sciences

[1] *Students who satisfy the Intersegmental General Education Transfer Curriculum prior to transferring to UC will satisfy number 2 above.*

Intersegmental General Education Transfer Curriculum (IGETC)

When you complete the Intersegmental General Education Transfer Curriculum (IGETC) pattern (https://scc.losrios.edu/catalog/igetc), you partially fulfill the 60-unit requirement for transfer to UC and complete the lower division general education breadth

requirements. You should request your IGETC certification from the community college you last attended when your final transcript is sent to the UC campus.

The IGETC is best if you have not yet chosen a major or a campus. Once you have selected a major, it is important to begin fulfilling any required preparatory classes for that major. This is especially true for professional or "high-unit" majors. If you are preparing for an engineering or a high-unit science major at a UC campus, then it is not advisable to use the IGETC. Instead you should concentrate on fulfilling the 60-unit admission requirement by completing lower division major preparation courses as well as the basic admission requirements listed above.

Helpful Hints

- Connect with a counselor regularly to monitor your transfer progress.
- Many courses other than the ones listed in the IGETC will transfer to UC. The units from those other courses will count toward the 60 units required to transfer as a junior. Check the catalog for the transfer status of any course.
- Though transfers do not require an associate degree, it is easy to complete one while preparing to transfer. Learn about associate degree graduation requirements (https://scc.losrios.edu/2020-2021-catalog/graduation-and-transfer/graduation-requirements/associate-degree-graduation-requirements).
- Check with your counselor about other courses needed for your major. In many cases, it is to your advantage to complete all pre-major requirements as well as general education requirements before you transfer.

Transfer to Private Colleges

Even if Sacramento City College does not have a transfer agreement with a private or out-of-state college to which you want to transfer, you can probably receive academic credit for most of your community college classes. Most four-year institutions give full credit for general education courses and other courses designated for transfer at community college.

In addition, many out-of-state colleges participate in the Western Undergraduate Exchange (WUE) (https://www.wiche.edu/WUE/students), which offers discounts to California students in certain majors.

Find Out Transfer Requirements

Many colleges require transfer students to have completed a certain number of units, so make sure you check the requirements of the college to which you want to transfer. Transfer requirements are generally outlined in a college's catalog.

2021-2022 California State University General Education Requirements

The following Sacramento City College courses fulfill California State University (CSU) General Education (GE) Breadth Requirements.

To complete the CSU GE breadth requirements, students must have a 2.0 or higher grade point average (GPA) for all courses taken. To transfer, students must meet the following requirements:

1. Completion of 60 transferable units to include a minimum of 30 units from the GE breadth requirements
2. Completion of Areas A1, A2, A3, and B4 with a grade of "C-" or better
3. Minimum 2.0 GPA for all transferable coursework completed

The CSU GE Breadth Requirements may change each year. It is the student's responsibility to check with a counselor for updated CSU GE Breadth Requirements.

A. English Language Communication and Critical Thinking

Choose one course (three units minimum) from each area for a minimum of nine units.

Area	Courses
A1 Oral Communication	**COMM** 301, 303, 311**, 331, 361, 481
A2 Written Communication	**ENGWR** 300, 488; **ESLW** 340
A3 Critical Thinking	**COMM** 311**, 315, 316; **ENGRD** 310; **ENGWR** 301, 302, 303, 482; **PHIL** 300**, 320, 325; **SOC** 305

** Courses are listed in more than one section in an area or other areas but can only be used **once** to satisfy a requirement.

B. Scientific Inquiry and Quantitative Reasoning

Choose one course from Area B1, B2, and B4 for a minimum of nine units. At least one of the courses in B1 or B2 must include a related laboratory, designated with an (L). The lecture course must be taken concurrently with or prior to the laboratory. There is no Area B3 because it is the laboratory activity that is included in B1 or B2.

Area	Courses
B1 Physical Science	**ASTR** 310, 320, 330, 400 (L only); **CHEM** 300 (L), 305 (L), 306 (L), 309 (L), 320 (L), 330 (L), 333#, 336 (L), 400 (L), 401 (L), 410 (L), 420 (L), 421 (L), 423 (L) , 425 (L), 426 (L), 484 (L); **GEOG** 300, 301 (L only), 305, 306, 308; **GEOL** 300 , 301 (L), 302 (L), 305, 306 (L only), 308, 310, 311 (L only), 325, 345; **PHYS** 310, 350 (L), 360 (L), 410 (L), 420 L), 430 (L)
B2 Life Science	**ANTH** 300, 301 (L only), 480; **BIOL** 305 (L), 308, 309 (L only), 310 (L)#, 314, 315 (L only) , 326, 327 (L only), 332 (L) , 342**, 349 , 350, 351, 352, 370 (L), 402 (L), 412 (L), 422 (L), 430 L), 431 (L), 434, 440 (L); **PSYC** 310, 311 (L only)
B3 Laboratory	Choose one course from B1 or B2 with a (L) or (L only) designation.
B4 Mathematics/ Quantitative Reasoning	**BUS** 320; **CISP** 440; **ECON** 310; **MATH** 300, 310, 335, 340, 342, 350, 351, 352, 355 , 356 , 370, 372 , 373 , 400, 401, 402, 410, 420; **PSYC** 330 ; **STAT** 300, 480

These courses are approved for CSU GE beginning in fall 2021. See all new approvals for fall 2021 (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/preparing-to-transfer/california-state-university-general-education-requirements#fall2021).

** Courses are listed in more than one section in an area or other areas but can only be used **once** to satisfy a requirement.

C. Arts and Humanities

Choose one course from each area, plus an additional course from either area, for a minimum of nine units.

Area	Courses
C1 Arts	**ART** 300, 305, 320, 324, 337, 370, 380, 390, 400; **ARTH** 300, 301, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 332, 334, 410, 420, 484, 486, 487, 488; **COMM** 305; **DDSN** 305; **DEAF** 360#; **ENGLT** 400, 403**, 404; **FASH** 330**; **HUM** 332**, 352**; **MUFHL** 305, 309, 310, 311, 315, 320, 330, 400, 401, 410, 411, 481, 482; **MUIVI** 380, 381, 382, 383; **MUP** 340*; **MUSM** 342, 344; **TA** 300, 302, 303, 308, 364, 370 (two units), 404, 437, 454; **TAFILM** 300, 302, 303, 304, 307**, 320*

Area	Courses
C2 Humanities	**ARABIC** 401, 402; **CANT** 401, 402, 411, 412; **DEAF** 310, 312, 314, 316, 353, 355, 380; **ENGCW** 400, 410; **ENGLT** 301#, 303, 304, 310, 311, 317, 320, 321, 327, 328, 331, 332, 334**, 335, 345, 346, 360, 365, 370, 380, 392, 401, 403**, 480, 481; **ESLR** 340; **FASHN** 330**; **FREN** 401, 402, 411, 412; **GREEK** 401, 402; **HIST** 300**, 302**, 307**, 308**, 310**, 311**, 314**, 320**, 321**, 327** , 360**, 364**, 365**, 373**, 375**, 380**, 483**, 484**, 485**; 486**, 487**; **HUM** 300, 310, 320, 332**, 352**, 370; **ITAL** 401, 402; **JAPAN** 401, 402, 411, 412; **KOREAN** 401, 402; **MAND** 401, 402, 411, 412; **PHIL** 300**, 306, 310, 330, 331, 338, 352, 368**, 480, 481; **PNJABI** 401, 402; **PRSIAN** 401, 402; **RUSS** 401, 402, 411, 412; **SPAN** 401, 402, 411, 412, 413, 415; 425, 427; **TAFILM** 307**; **TGLG** 401, 402; **VIET** 401, 402

These courses are approved for CSU GE beginning in fall 2021. See all new approvals for fall 2021 (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/preparing-to-transfer/california-state-university-general-education-requirements#fall2021).

** Courses are listed in more than one section in an area or other areas but can only be used **once** to satisfy a requirement.

* These courses in Area C1 or C2 are repeatable for credit but **only one** can be used to satisfy the general education requirement in Area C.

D. Social Sciences

Refer to this table for Area D if you have *fall 2021 (or later) catalog rights*.

Choose two courses for a minimum of six units. Students will be required to take an additional three units in their upper division courses from a different subject area at the university to which they transfer.

US History, Constitution, and American Ideals is a CSU graduation requirement only – it is not required for CSU general education certification. Those courses can be used to satisfy Area D.

Area	Courses
US History, Constitution, and American Ideals	Option 1: Complete **POLS** 301** or **POLS** 481**, plus one of the following: **HIST** 310**, 311**, 320**, 321**, 483**, 484**, 486**, 487**# Option 2: Complete **HIST** 310**, **HIST** 320**, **HIST** 483**, or **HIST** 486**, plus one of the following: **HIST** 311**, 321**, 484**, 487**#; **POLS** 301**, 304**, 481**
D Social Sciences	**ADMJ** 300 , 302 , 304 , 349; **ANTH** 310, 323, 324 , 325 , 331, 332, 334, 341, 481; **BUS** 330, 345; **COMM** 321, 325, 335, 341, 351; **DEAF** 351, 362#; **ECE** 312**, 314**; **ECON** 302, 304; **ENGLT** 334**; **ENGWR** 384; **ETHNS** 300, 320, 330, 340, 341, 350, 351; **FCS** 324**; **GEOG** 302, 310, 320; **GERON** 300**, 302**; **GLST** 301 , 302 ; **HIST** 300**, 302**, 307**, 308**, 309, 310**, 311**, 314, 320**, 321**, 327** , 344, 360**, 364**, 365**, 373**, 375**, 380**, 381, 483**, 484**, 485, 486**, 487**; **JOUR** 310, 320; **NUTRI** 310; **PHIL** 368**; **POLS** 301**, 302, 303, 304**, 310, 312, 313, 320, 322, 340, 350, 480, 481**; **PSYC** 300, 314, 316, 320, 335, 340**, 352, 356**, 360**, 364, 367, 370**, 374**, 390**, 392** (two units), 480; **SOC** 300, 301, 302, 310**, 318, 319, 321, 335**, 341**, 343, 344**, 345, 347, 350, 375, 480, 481, 482; **WGS** 300, 302, 304

D. Social Sciences

Refer to this table for Area D if you have catalog rights *prior to fall 2021*.

Choose three courses from at least two different subject areas for a minimum of nine units.

US History, Constitution, and American Ideals is a CSU graduation requirement only – it is not required for CSU general education certification. Those courses can be used to satisfy Area D.

Area	Courses
US History, Constitution, and American Ideals	Option 1: Complete **POLS** 301** or **POLS** 481**, plus one of the following: **HIST** 310**, 311**, 320**, 321**, 483**, 484**, 486**, 487**# Option 2: Complete **HIST** 310**, **HIST** 320**, **HIST** 483**, or **HIST** 486**, plus one of the following: **HIST** 311**, 321**, 484**, 487**#; **POLS** 301**, 304**, 481**
D Social Sciences	**ADMJ** 300 , 302 , 304 , 349; **ANTH** 310, 323, 324 , 325 , 331, 332, 334, 341, 481; **BUS** 330, 345; **COMM** 321, 325, 335, 341, 351; **DEAF** 351, 362#; **ECE** 312**, 314**; **ECON** 302, 304; **ENGLT** 334**; **ENGWR** 384; **ETHNS** 300, 320, 330, 340, 341, 350, 351; **FCS** 324**; **GEOG** 302, 310, 320; **GERON** 300**, 302**; **GLST** 301 , 302 ; **HIST** 300**, 302**, 307**, 308**, 309, 310**, 311**, 314, 320**, 321**, 327** , 344, 360**, 364**, 365**, 373**, 375**, 380**, 381, 483**, 484**, 485, 486**, 487**; **JOUR** 310, 320; **NUTRI** 310; **PHIL** 368**; **POLS** 301**, 302, 303, 304**, 310, 312, 313, 320, 322, 340, 350, 480, 481**; **PSYC** 300, 314, 316, 320, 335, 340**, 352, 356**, 360**, 364, 367, 370**, 374**, 390**, 392** (two units), 480; **SOC** 300, 301, 302, 310**, 318, 319, 321, 335**, 341**, 343, 344**, 345, 347, 350, 375, 480, 481, 482; **WGS** 300, 302, 304

** Courses are listed in more than one section in an area or other areas but can only be used **once** to satisfy a requirement.

These courses are approved for CSU GE beginning in fall 2021. See all new approvals for fall 2021 (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/preparing-to-transfer/california-state-university-general-education-requirements#fall2021).

E. Lifelong Learning and Self Development

Choose at least one course for a minimum of three units.

Area	Courses
E1	**BIOL** 342**; **ECE** 312**, 314**, 415; **FCS** 324**; **GERON** 300**, 302**; **HCD** 310; **HEED** 300; 301; **KINES** 418; **NUTRI** 300, 302, 330, 480; **PSYC** 340**, 356**, 358, 360**, 370**, 374**, 390**, 392** (two units), 410; **SOC** 310**, 335**, 341**, 344**
E2	One unit maximum from the courses with the following prefixes: **FITNS**, **KINES**, **PACT**, **SPORT**, **TMACT**

F. Ethnic Studies

Area F is only for students with *fall 2021 (or later) catalog rights*. If you have catalog rights prior to fall 2021, then this section does not apply to you.

Choose at least one course for a minimum of three units; courses cannot be counted twice.

Area	Courses
F	Please see a counselor (https://scc.losrios.edu/student-resources/counseling-and-transfer) to discuss options to fulfill Area F.

** Courses are listed in more than one section in an area or other areas but can only be used **once** to satisfy a requirement.

New Approvals Effective Fall 2021

The following courses are approved for CSU GE beginning in **fall 2021**.

Course Number	Course Title	CSU Area
CHEM 333	The Science of Coffee	B1
BIOL 310	General Biology	B2/B3
DEAF 360	Deaf Art	C1
ENGLT 301	Introduction to Literature in Hip-Hop Culture	C2
HIST 487	History of the United States: African American Emphasis - Honors	US1/US2
DEAF 362	Introduction to Deafhood	D
FITNS 304	Cardio Circuit	E
FITNS 347	Dynamic Aquatic Fitness Training	E
FITNS 384	Weight Training II	E
FITNS 385	Weight Training for Competition	E
FITNS 400	Body Fitness (Walking or Jogging)	E
PACT 310	Badminton I	E
PACT 394	Tennis, Doubles	E
SPORT 327	Off-Season Conditioning for Men's Cross Country	E
TMACT 342	Flag Football	E

2021-2022 Intersegmental General Education Transfer Curriculum Requirements

Completion of all of the requirements (full certification) in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the California State University (CSU) or University of California (UC) system without the need to take additional lower-division general education courses after they transfer.

Students must meet with a counselor to request the IGETC certification. All courses must be completed with a "C" grade or better.

The IGETC is **not** appropriate for certain majors and/or campuses. Consult with a counselor to determine if the IGETC is right for you.

The IGETC requirements may change each year. It is the student's responsibility to check with a counselor each year for updated IGETC information. See a counselor prior to transfer concerning certification.

Area 1: English Communication

For CSU, choose one course from each Area for a total of three courses (three units each for a total of nine units). For UC, choose two courses, one from Area 1A and one from Area 1B (three units each for a total of six units). For transfer degrees (AA-T/AS-T), Area 1C must be completed.

Area	Courses
1A English Composition	**ENGWR** 300, 488; **ESLW** 340
1B Critical Thinking – English Composition	**COMM** 316; **ENGWR** 301, 302, 303, 482; **SOC** 305
1C Oral Communication	**COMM** 301, 303, 311, 331, 361, 481

Area 2: Mathematical Concepts and Quantitative Reasoning

Choose one course for a total of three units.

Area	Courses
2A Mathematical Concepts and Quantitative Reasoning	**CISP** 440; **ECON** 310; **MATH** 300, 340, 342, 350, 351, 355 , 356 , 370, 372 , 373 , 400, 401, 402, 410, 420; **PSYC** 330 ; **STAT** 300, 480

These courses are approved for IGETC beginning in fall 2021. See all new approvals for fall 2021 (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/preparing-to-transfer/intersegmental-general-education-transfer-curriculum-requirements#fall2021).

Area 3: Arts and Humanities

Choose one course from each area, plus an additional course from either area, for a total of nine units.

Area	Courses
3A Arts	**ARTH** 300, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 332, 334, 410, 420, 484, 486, 487, 488; **COMM** 305; **DDSN** 305; **DEAF** 360#; **ENGLT** 400, 403**, 404; **MUFHL** 305, 309, 310, 311, 315, 320, 330, 400, 401, 410, 411, 481, 482; **TA** 300, 302, 303, 308, 454; **TAFILM** 300, 302, 303, 304, 320
3B Humanities	**ANTH** 331**; **ARTH** 301, 325#, 484; **CANT** 411, 412; **DEAF** 314, 316, 360#, 380; **ENGLT** 301#, 303, 304, 310, 311, 317, 320, 321, 327, 328, 331, 332, 334, 335, 345, 346, 360, 365, 380, 392, 401, 403**, 480, 481; **FASH** 330, **FREN** 411, 412; **HIST** 300, 302, 307**, 308**, 310**, 311**, 314**, 320**, 321**, 327** , 360**, 364, 365, 373, 375, 380**, 483**, 484**, 485**; **HUM** 300, 310, 320, 332, 352, 370; **JAPAN** 411, 412; **MAND** 411, 412; **PHIL** 300, 306, 310, 330, 331, 338, 352, 368, 480, 481; **RUSS** 411, 412; **SPAN** 411, 412, 413, 415, 425, 427; **TAFILM** 307

These courses are approved for IGETC beginning in fall 2021. See all new approvals for fall 2021 (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/preparing-to-transfer/intersegmental-general-education-transfer-curriculum-requirements#fall2021).

** These courses are listed in more than one area but can only be used **once** to satisfy a requirement.

Area 4: Social and Behavioral Sciences

Choose three courses from at least two different areas for a total of nine units. This is the same as 4A through 4J at assist.org (https://assist.org/).

Area	Courses
4	**ADMJ** 300 , 302 , 304[#], 349; **ANTH** 310, 323, 324 , 325 , 331**, 332, 334, 341, 481; **BUS** 345; **COMM** 321, 325, 335, 351; **DEAF** 351[#], 355, 362; **ECE** 312, 314; **ECON** 302, 304; **ENGWR** 384; **ETHNS** 300, 320, 330, 340, 341, 350, 351; **FCS** 324; **GEOG** 302, 310, 320; **GERON** 300, 302; **GLST** 301 , 302 ; **HIST** 307**, 308**, 309, 310*, 311*, 314**, 320*, 321*, 327** , 344, 360**, 375, 380**, 381, 483*, 484*, 485; **JOUR** 310, 320; **NUTRI** 310; **POLS** 301*, 302, 303, 304*, 310, 312, 313, 320, 322, 340, 350, 480, 481*; **PSYC** 300, 316, 320, 335, 340, 352, 356, 360, 364, 367, 370, 374, 390, 480; **SOC** 300, 301, 302, 310, 318, 319, 321, 335, 341, 343, 344, 345, 347, 350, 480, 481, 482; **WGS** 300, 302, 304

[#] These courses are approved for IGETC beginning in fall 2021. See all new approvals for fall 2021 (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/preparing-to-transfer/intersegmental-general-education-transfer-curriculum-requirements#fall2021).

** These courses are listed in more than one area but can only be used **once** to satisfy a requirement.

Area 5: Physical and Biological Sciences

Choose one physical science course and one biological science course. At least one course must include a related laboratory that is designated with an (L). The lecture course must be taken concurrently with or prior to the laboratory.

Area	Courses
5A Physical Science	**ASTR** 310, 320, 330, 400 (L only); **CHEM** 300 (L), 305 (L), 306 (L), 309 (L), 320 (L), 330 (L), 333 , 336 (L), 400 (L), 401 (L), 410 (L), 420 (L), 421 (L), 423 (L) , 425 (L), 426 (L); **GEOG** 300, 301 (L only), 305, 306, 308; **GEOL** 300 , 301 (L), 302 (L), 305, 306 (L only), 308, 310, 311 (L only), 325, 345; **PHYS** 310, 350 (L), 360 (L), 410 (L), 420 (L), 430 (L)
5B Biological Science	**ANTH** 300, 301 (L only), 480; **BIOL** 305 (L), 308, 309 (L only), 310 (L)[#], 314, 315 (L only), 326, 327 (L only), 332 (L), 342, 349, 350, 351, 352, 370 (L), 402 (L), 412 (L), 422 (L), 430 (L), 431 (L), 434, 440 (L); **PSYC** 310, 311 (L only)
5C Lab	Choose any course from 5A or 5B with (L) or (L only) designation.

[#] These courses are approved for IGETC beginning in fall 2021. See all new approvals for fall 2021 (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/preparing-to-transfer/intersegmental-general-education-transfer-curriculum-requirements#fall2021).

Area 6: Language Other Than English

This is a UC requirement only. Students may fulfill this requirement by one of the following:

- Completion of two years of the same foreign language in high school level work with a grade of "C" or better
- Completion of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English with a grade of "C" or better (appropriate documentation must be presented to substantiate that the required coursework was completed)
- Earn a score of 3 or higher on the Foreign Language Advanced Placement test
- Complete one of the following courses at Sacramento City College

Area	Courses
6	**ARABIC** 401, 402; **CANT** 401, 402, 411, 412; **DEAF** 310, 312, 314, 316; **FREN** 401, 402, 411, 412; **ITAL** 401, 402; **JAPAN** 401, 402, 411, 412; **KOREAN** 401, 402; **MAND** 401, 402, 411, 412; **PNJABI** 401, 402; **PRSIAN** 401, 402; **RUSS** 401, 402, 411, 412; **SPAN** 401, 402, 411, 412, 413, 415; **TGLG** 401, 402; **VIET** 401, 402

US History, Constitution, and American Ideals

This is a CSU graduation requirement only – it is not part of IGETC. Choose one of the following options.

Option	Courses
Option 1	Complete **POLS** 301 or **POLS** 481, plus one of the following: **HIST** 310, 311, 320, 321, 483, 484, 486, 487[#]
Option 2	Complete **HIST** 310, **HIST** 320, **HIST** 483, or **HIST** 486, plus one of the following: **HIST** 311, 321, 484, 487[#]; **POLS** 301, 304, 481

[#] These courses are approved for IGETC beginning in fall 2021. See all new approvals for fall 2021 (https://scc.losrios.edu/2021-2022-official-catalog/graduation-and-transfer/preparing-to-transfer/intersegmental-general-education-transfer-curriculum-requirements#fall2021).

New Approvals Effective Fall 2021

The following courses are approved for IGETC beginning in **fall 2021**.

Course Number	Course Title	IGETC Area
DEAF 360	Deaf Art	3A/3B

Course Number	Course Title	IGETC Area
ARTH 325	Native American Art History	3B
ENGLT 301	Introduction to Literature in Hip-Hop Culture	3B
ADMJ 304	Juvenile Delinquency	4
DEAF 351	Introduction to American Deaf Culture	4
BIOL 310	General Biology	5B/5C
HIST 487	History of the United States: African American Emphasis - Honors	US

Transfer Degree Requirements

Associate degrees for transfer (also called ADTs or transfer degrees) are designed to provide a clear pathway for California community college students to California State University (CSU) degrees. California community college students who earn an associate degree for transfer are guaranteed admission with junior standing to select CSU campuses and are given priority admission consideration over other transfer students. Students who have completed a transfer degree in a major deemed similar to a CSU major are able to complete the remaining requirements at that CSU within 60 units after transfer. For more information, consult a counselor.

Students can also visit the Degree With a Guarantee (https://adegreewithaguarantee.com/) website to learn more.

Requirements for a Transfer Degree

Transfer degrees require the following:

1. Complete all required courses for a major with a grade of "C" or better.
2. Complete one of the following general education (GE) patterns (check with your counselor to determine the appropriate pattern for the degree you are pursuing):
    - Intersegmental General Education Transfer Curriculum (IGETC) – CSU option
    - CSU General Education Breadth Requirements
3. Complete 60 CSU-transferable units. At least 12 of the 60 units must be earned at Sacramento City College.

Transfer Degrees at Sacramento City College

Sacramento City College offers the following associate degrees for transfer:

- AS-T in Administration of Justice
- AA-T in Anthropology
- AA-T in Art History
- AS-T in Biology
- AS-T in Business Administration
- AA-T in Child and Adolescent Development
- AA-T in Communication Studies
- AS-T in Early Childhood Education
- AA-T in Economics
- AA-T in Elementary Teacher Education
- AA-T in English
- AA-T in Geography
- AS-T in Geology
- AA-T in Global Studies
- AA-T in History
- AA-T in Journalism
- AA-T in Kinesiology
- AS-T in Mathematics
- AA-T in Music
- AS-T in Nutrition and Dietetics
- AA-T in Philosophy
- AA-T in Political Science
- AA-T in Psychology
- AA-T in Spanish
- AA-T in Sociology
- AA-T in Studio Arts
- AA-T in Theatre Arts

Course Transferability and C-ID

Transfer Credit

Courses accepted for transfer by the University of California (UC) and/or California State University (CSU) systems are identified as such in the course details next to "Transferable." Students who have questions regarding transferability of credit for specific courses to specific institutions should consult a counselor.

Course Identification Numbering System (C-ID)

The C-ID system is a statewide numbering system designed to identify comparable courses and facilitate articulation. Any community college course that bears a C-ID number signifies that it is equivalent in content, rigor, and student learning outcomes. Any course with a C-ID number can be assured that it will be accepted at other participating community college or CSU campuses.

For example: C-ID COMM 110 at Sacramento City College will be accepted by any other college that has been approved for the same C-ID COMM 110 number.

Students should consult a counselor for specific information and help evaluating course transferability. In addition, students should visit assist.org (https://assist.org) to confirm how each college's course will be accepted for the following:

1. Majors at CSU and UC campuses
2. CSU general education requirements
3. IGETC general education requirements

Please consult a counselor to find out if your courses meet requirements at private and out-of-state colleges and universities. See an up-to-date listing of Sacramento City College C-ID approved courses at www.c-id.net (https://www.c-id.net).

Order Transcripts From Sacramento City College

Order Transcripts Online

You can order transcripts and authorize the release of your records online. You must submit a separate order for each Los Rios college you attended.

Current Students

Order official transcripts online in the *Academic Records* section of eServices.

Go to eServices (https://ps.losrios.edu/student/signon.html)

Alumni and Former Students

Alumni and former students can order official transcripts through Credentials, Inc.

Alumni transcript order (https://www.credentials-inc.com/tplus/?ALUMTRO001233)

Check Order Status Online

Current and former students can check the status of a transcript order (https://www.credentials-inc.com/cgi-bin/rechkcgi.pgm?TPORDER001233) online through Credentials, Inc.

Fees and Processing Times

All current and former students get two free standard transcript requests. After that, fees apply.

Request Type	Cost	Processing Time	Delivery/Pickup
Standard request	$5 per transcript (first two requests are free)	Ready to be sent or picked up in three to five business days	You can choose between three options: • Mailed via regular first-class mail to you or the requesting college. • Sent electronically to the requesting college, if available. • Picked up with photo ID.
Rush request	$10 per transcript	Ready by to be sent or picked up by 2:00 pm on the next business day	You can choose between three options: • Mailed via regular first-class mail to you or the requesting college. • Sent electronically to the requesting college, if available. • Picked up with photo ID.
FedEx overnight delivery	Two free, $5 or $10 per transcript, plus the following: • Domestic 48 states: $23 per transcript • Alaska and Hawaii: $30 per transcript • International: $53 per transcript	Processing time based on if standard or rush request	Overnight FedEx mail delivery

Other Ways to Order Official Transcripts

Order Transcripts by Mail

Submit a completed transcript request form to Sacramento City College. Make a check or money order payable to Los Rios Community College District.

Sacramento City College

Attn: Admissions and Records
3835 Freeport Boulevard
Sacramento, CA 95822

Download the SCC transcript request form (scc/shared/doc/Admissions-Records/SCC_Official_Transcript_Request_Form.pdf).

Important Order Information

Current Semester Transcripts

Official transcripts for the current semester will be processed after final grades are submitted. At the end of the semester, you can check that your current grades are included by viewing your unofficial transcript in eServices (https://ps.losrios.edu/student/signon.html). Work-In-Progress grades will be included for current courses.

Third Party Authorization

Student records are protected by the Family Educational Rights and Privacy Act (FERPA). If a third party is picking up your transcripts, they must provide an authorization signed by you. Online requests that are automatically verified through eServices (or another automated authentication) are the exception to this rule.

Lost Transcripts

We are not responsible if your transcript is lost by the US Postal Service, FedEx, or the school or agency it was sent to. We are also not responsible if you provide the wrong mailing address and your transcript is lost as a result. You will have to pay the normal fees for new transcript orders.

Programs of Study

Sacramento City College offers associate degrees, certificates, and transfer opportunities, as well as courses in general education.

Degree Programs

Associate in Arts Degree (AA)

The Associate degree may be obtained by the completion of all required courses for a major (18 units or more) with grades of "C" or better in each course, fulfillment of general education requirements, satisfaction of competencies, and completion of sufficient electives to meet a minimum total of 60 units with a grade point average of 2.0 ("C" average). At least 12 units toward the degree must be completed at Sacramento City College.

Associate in Science Degree (AS)

The Associate degree may be obtained by the completion of all required courses for a major (18 units or more) with grades of "C" or better in each course, fulfillment of general education requirements, satisfaction of competencies, and completion of sufficient electives to meet a minimum total of 60 units with a grade point average of 2.0 ("C" average). At least 12 units toward the degree must be completed at Sacramento City College. An Associate in Science Degree includes all science, technology, engineering, and mathematics (STEM) disciplines and career education (CE) fields.

Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T)

The following are the Associate Degree for Transfer (ADT) student completion requirements (as stated in SB 1440 law):

1. Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
    A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University (CSU) General Education Breadth Requirements.
    B. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

At least 12 units toward the degree must be completed at Sacramento City College.

Visit A Degree With A Guarantee: Associate Degree for Transfer (https://adegreewithaguarantee.com) to learn more.

Certificate Programs

Sacramento City College offers two types of certificates:

Certificate of Achievement

The Certificate of Achievement certifies that a student has completed all required courses and is prepared to enter the career designated on their certificate. Certificate of Achievement programs are developed to provide vocational training for students who are not necessarily seeking a college degree. Certificates of Achievement require a grade of "C" or better in each course with a minimum of 12 degree-applicable units completed at Sacramento City College.

Certificate of Recognition

Certificates of Recognition are intended to certify that students are prepared to meet specific occupational needs, upgrade skills, or advance in an existing career. Certificates of Recognition require fewer than 16 units with a grade of "C" or better in each course. At least 12 units toward the degree must be completed at Sacramento City College. If the certificate requires fewer than 12 units, then students must take the number of units required by the certificate at Sacramento City College. As long as the units a student takes are degree- or transfer-applicable, they do not necessarily have to be the specific units required for the certificate.

Certificates of Recognition are not noted on transcripts.

List of Degrees and Certificates

Sacramento City College offers degree and certificate options. Requirements are identified for each career and general education program. Students must complete the program requirements to earn the desired degree or certificate, regardless of the order of completion.

Accounting

Degree

- AS in Accounting

Certificates of Achievement

- Accounting Clerk
- Full Charge Bookkeeper

Administration of Justice

Degrees

- AS in Administration of Justice
- AST in Administration of Justice

Certificate of Achievement

- Legal Studies

Aeronautics

Degrees

- AS in Airframe
- AS in Combined Airframe and Powerplant
- AS in Powerplant

Certificates of Achievement

- Airframe
- Combined Airframe and Powerplant
- Powerplant

Allied Health

Degree

- AS in Pre-Health Occupations

Certificates of Achievement

- Healthcare Business
- Pre-Health Occupations

Certificate

- Community Health Care Worker

Anthropology

Degrees

- AA in Anthropology
- AAT in Anthropology

Art

Degrees

- AA in Art
- AAT in Studio Arts

Art History

Degrees

- AA in Art History
- AAT in Art History

Aviation

Degrees

- AS in Air Traffic Control
- AS in Aircraft Dispatcher
- AS in Flight Technology

Certificates of Achievement

- Aircraft Dispatcher
- Flight Technology

Biology

Degrees

- AS in Biology
- AST in Biology

Certificate of Achievement

- Field Ecology

Business

Degrees

- AST in Business Administration
- AS in Business, General
- AS in Management
- AS in Marketing
- AS in Marketing, Advertising
- AS in Real Estate

Certificates of Achievement

- Business Information Worker
- Entrepreneurship
- Management
- Marketing
- Real Estate

Certificate

- Customer Service

Chemistry

Degrees

- AS in Chemical Technology
- AS in Chemistry

Certificates of Achievement

- Chemical Technician, Advanced
- Chemical Technician, Beginning
- Chemical Technician, Intermediate
- Chemical Technology

Communication

Degrees

- AA in Communication
- AAT in Communication Studies

Community Healthcare Worker

Certificate of Achievement

- Community Health Care Worker

Computer Information Science

Degrees

- AS in Computer Science
- AS in Cybersecurity and Information Assurance
- AS in Information Processing
- AS in Management Information Science
- AS in Network Administration
- AS in Network Design
- AS in Web Developer

Certificates of Achievement

- Web Production Specialist
- Advanced CISCO Networking
- Computer Information Security Essentials
- Computer Science
- Cybersecurity and Information Assurance
- Data Science
- Front-end Web Developer
- Information Processing Specialist
- Information Processing Technician
- iOS App Developer
- Management Information Science
- Network Administration
- Network Design
- PC Support
- Programming
- Web Developer

Cosmetology

Degree

- AS in Cosmetology

Certificates of Achievement

- Art and Science of Nail Technology
- Cosmetology

Dental Assisting

Degree

- AS in Dental Assisting

Certificate of Achievement

- Dental Assisting

Dental Hygiene

Degree

- AS in Dental Hygiene

Design and Digital Media

Degree

- AS in Design and Digital Media

Certificates of Achievement

- 3D Animation and Modeling
- Design and Digital Media
- Game Design
- Graphic Design
- User Interface and Web Design

Early Childhood Education

Degrees

- AA in Child Development with ECE Emphasis
- AST in Early Childhood Education
- AA in Early Childhood Education Administration
- AA in Early Childhood Education Teacher

Certificates of Achievement

- Family Child Care
- Infant Care and Education Teacher
- School-Age Care and Education Teacher

Economics

Degree

- AAT in Economics

Education/Teaching

Degrees

- AAT in Child and Adolescent Development
- AAT in Elementary Teacher Education
- AA in Teacher Education

Electronics Technology

Degrees

- AS in Automated Systems Technician
- AS in Telecommunications Technician

Certificates of Achievement

- Automated Systems Technician
- Telecommunications Technician

Engineering

Degrees

- AS in Engineering, Civil Engineering
- AS in Engineering, Electrical/Computer Engineering
- AS in Engineering, General
- AS in Engineering, Mechanical/Aeronautical Engineering

Engineering Design Technology

Degrees

- AS in Architectural/Structural Design
- AS in Electric (Power-Lighting Systems)
- AS in Engineering Design Technology
- AS in Mechanical (HVAC/Piping/Plumbing Systems)
- AS in Surveying/Geomatics

Certificates of Achievement

- Architectural/Structural Design
- CAD Technology
- Electric (Power-Lighting Systems)
- Engineering Design Technology
- Mechanical (HVAC/Piping/Plumbing Systems)
- Surveying/Geomatics

English

Degrees

- AA in English
- AAT in English

English as a Second Language

Certificate of Achievement

- Advanced Proficiency in English as a Second Language

Ethnic Studies

Degree

- AA in Ethnic Studies

Family and Consumer Science

Degree

- AA in Family and Consumer Science

Fashion

Degree

- AA in Applied Apparel Studies

Certificate of Achievement

- Applied Apparel Studies Construction

Foreign Languages

Degrees

- AA in French
- AAT in Spanish

Geography

Degree

- AAT in Geography

Geology

Degree

- AST in Geology

Gerontology

Degree

- AS in Gerontology

Certificate of Achievement

- Gerontology

Global Studies

Degree

- AAT in Global Studies

History

Degrees

- AA in History
- AAT in History

Interdisciplinary Studies

Degrees

- AA in Environmental Literacy
- AA in Interdisciplinary Studies: Arts and Humanities
- AA in Interdisciplinary Studies: Math and Science
- AA in Interdisciplinary Studies: Social and Behavioral Sciences

International Studies

Degree

- AA in International Studies

Journalism

Degrees

- AA in Journalism
- AAT in Journalism

Certificates of Achievement

- Multimedia News Specialist
- Visual Journalism

Kinesiology

Degrees

- AAT in Kinesiology
- AA in Kinesiology--Exercise Science
- AA in Kinesiology--Teaching and Coaching

Legal Studies

Degrees

- AAT in Law, Public Policy, and Society

Certificate of Achievement

- Legal Studies

Library

Degree

- AS in Library and Information Technology

Certificates of Achievement

- Library and Information Technology
- School Library Media Center

Mathematics & Statistics

Degrees

- AS in Mathematics
- AST in Mathematics

Mechanical-Electrical Technology

Degree

- AS in Mechanical-Electrical Technology

Certificates of Achievement

- Mechanical Systems Technician
- Mechanical-Electrical Technology

Certificate

- Commercial Building Energy Auditing and Commissioning Specialist

Music

Degrees

- AA in Commercial Music, Audio Production Emphasis
- AA in Commercial Music, Music Business Management Emphasis
- AA in Commercial Music, Performance Emphasis
- AA in Commercial Music, Songwriting/Arranging Emphasis
- AAT in Music
- AA in Music, General

Certificates of Achievement

- Commercial Music, Audio Production Emphasis
- Commercial Music, Music Business Management Emphasis
- Commercial Music, Performance Emphasis
- Commercial Music, Songwriting/Arranging Emphasis

Nursing

Degrees

- AS in Nursing, Registered
- AS in Nursing, Vocational

Certificates of Achievement

- LVN-RN 30-Unit Option
- Nursing, Vocational

Nutrition and Food Science

Degrees

- AS in Nutrition
- AST in Nutrition and Dietetics

Occupational Therapy Assisting

Degree

- AS in Occupational Therapy Assistant

Optical Technology

Certificates of Achievement

- Contact Lens Technician
- Optical Technician

Philosophy

Degree

- AAT in Philosophy

Photography

Degree

- AA in Photography

Certificates of Achievement

- Commercial and Magazine Photography
- Photography
- Portrait and Wedding Photography

Physical Therapist Assistant

Degree

- AS in Physical Therapist Assistant

Political Science

Degrees

- AA in Political Science
- AAT in Political Science

Psychology

Degrees

- AA in Psychology
- AAT in Psychology

Sociology

Degrees

- AA in Community Studies
- AA in Intercultural Studies
- AA in Sociology
- AAT in Sociology

Certificate of Achievement

- Community Studies

Theatre Arts

Degrees

- AA in Theatre Arts, Acting-Directing Emphasis
- AA in Theatre Arts, Technical Production Emphasis
- AAT in Theatre Arts

Theatre Arts Film

Degree

- AA in Film

Certificates of Achievement

- Film Production
- Film Studies

Women and Gender Studies

Degree

- AA in Women and Gender Studies

Description of Courses

Course Numbering

Course Numbering System

Sacramento City College has a standardized course numbering system. The following numbers are designed to provide students with general information regarding the focus and intent of courses.

Course Number 1 to 99

Courses numbered 1 to 99 are credit courses that are considered developmental or basic skills and are not acceptable for the associate degree or transfer credit.

Course Number 100 to 299

Courses numbered 100 to 299 are applicable to an associate degree, but not transferable to a four-year institution.

Course Number 300 to 499

Courses numbered 300 to 499 are articulated for transfer with four-year institutions and are intended to meet major, general education, or elective credit requirements.

Prerequisites, Corequisites, and Advisories

Enrollment Conditions

Many courses and educational programs have enrollment conditions, such as prerequisites, corequisites, or advisories on recommended preparation. These faculty-approved conditions are considered necessary and appropriate to ensure that students are adequately prepared to succeed in the course or educational program. It is the student's responsibility to meet any and all enrollment conditions.

Students may challenge a prerequisite requirement through the challenge process (https://scc.losrios.edu/2021-2022-official-catalog/programs-of-study/description-of-courses/prerequisites-corequisites-and-advisories#challenge).

Prerequisite

A prerequisite is a course that a student is **required** to take to demonstrate current readiness for enrollment in another course or educational program. For example, in order to take ENGWR 301, a student must have already completed ENGWR 300 with a grade of C or better.

Corequisite

A corequisite is a course that a student is **required** to take during the same semester as another course, or prior to another course. For example, a student needs to take GEOL 300 at the same time as GEOL 301 (or before taking GEOL 301).

Advisory

An advisory is a condition of enrollment when a student is **advised, but not required** to meet before, or in conjunction with, enrollment in a course or educational program.

Verifying Prerequisites

Students enrolled in courses that have a prerequisite must provide verification to the instructor that they have met the prerequisite. Supporting evidence includes:

- A transcript that verifies the student has earned a "C" or better in the prerequisite course. Students can print unofficial transcripts in eServices (https://ps.losrios.edu/student/signon.html). Instructors have access to this information on their roster if the class was taken within Los Rios Community College District since 2003 (prior course information cannot be viewed).
- English and/or math placement results from Los Rios Community College District.

If a student enrolls in a course and does not meet the prerequisite, then the instructor must drop the student from the course.

Verifying Corequisites

Your current class schedule provides verification of current enrollment in a corequisite course. Alternatively, if you took the corequisite previously, then your transcript shows prior completion of the corequisite course.

Challenge Process

If you do not have the supporting evidence to verify a prerequisite or corequisite but you believe that you should qualify to enroll in the course, then you may challenge a prerequisite or corequisite.

Criteria for challenging a prerequisite or corequisite include:

- You have knowledge or ability to succeed in the course with the prerequisite.
- The prerequisite course is not readily available.
- You believe that the prerequisite is discriminatory or being applied in a discriminatory manner.
- You believe that the prerequisite was established in violation of regulations and/or the established district-approved policy and procedures.

To challenge a prerequisite or corequisite:

1. Submit a Prerequisite Equivalency Form (scc/main/doc/2-Admissions/4-Placement/Prerequisite-Equivalency-Form.pdf) (PDF) – along with any supporting documentation – to the instructional department (locations are listed on form) at least one week prior to the start of instruction.
2. Your challenge will be reviewed by the department's prerequisite challenge committee.
3. You will be informed in writing of the committee's determination within five working days of the review.

Exception to the Prerequisite Process – English and Math

The prerequisite for all 300-level English courses (ENGWR, ENGED, and ENGCW) and mathematics courses (MATH and STAT) must be cleared prior to enrollment.

You will be automatically cleared to enroll in an English or math class if:

- You are currently enrolled in the appropriate prerequisite course at a Los Rios college (you must earn a C or better grade or you will be automatically dropped from the higher level course before the new semester begins).
- You have completed and passed the appropriate prerequisite course at a Los Rios college.
- You have been placed into the math or English course you want to add.

If you completed the equivalent prerequisite course with a grade of C or better at a college or university that is on the Approved Math External Equivalency List (shared/doc/admissions-records/prerequisite/math-universal-transfer-credit-list.pdf) (PDF) or Approved English External Equivalency List (shared/doc/admissions-records/prerequisite/english-universal-transfer-credit-list.pdf) (PDF) then:

- Submit unofficial or official transcripts (unless already on file with the Admissions and Records office) along with Prerequisite Equivalency Form (scc/main/doc/2-Admissions/4-Placement/Prerequisite-Equivalency-Form.pdf) (PDF) to the Admissions and Records office. Please Note: In-progress coursework cannot be used.
- If verified through a transcript, then the external course will be posted as transfer credit on your unofficial transcript, which will clear enrollment for math courses. This process may take three to five business days, so plan ahead.

If you did not find your course on the approved equivalency lists above – but you believe you have the knowledge or ability to succeed in an English or math course through other college/university coursework (or other credentials) – then you may challenge the prerequisite via the challenge process.

To Be Arranged Scheduling

Some or all of the class hours for courses may be offered using the "To Be Arranged" (TBA) course scheduling option. Please refer to the class schedule listing for sections of courses for specific TBA weekly or daily class hour requirements that may apply.

Course Prefixes

A

Prefix	Subject Name
ACCT	Accounting
ADMJ	Administration of Justice
AERO	Aeronautics
AH	Allied Health
ANIM	Animation
ANTH	Anthropology
ARABIC	Arabic
ART	Art
ARTH	Art History
ASTR	Astronomy
ATCAD	Air Traffic Control and Aircraft Dispatcher

B

Prefix	Subject Name
BIOL	Biology
BIOLFS	Biology Field Studies
BUS	Business

C

Prefix	Subject Name
CANT	Cantonese
CHEM	Chemistry
CISA	Computer Information Sciences - Applications
CISC	Computer Information Sciences - Core
CISM	Computer Information Science - Maker
CISN	Computer Information Sciences - Network
CISP	Computer Information Sciences - Programming
CISS	Computer Information Sciences - Security
CISW	Computer Information Sciences - Web
CHW	Community Healthcare Worker
COMDE	Community Leadership Development
COMM	Communication Studies
COSM	Cosmetology

D

Prefix	Subject Name
DAST	Dental Assisting
DDSN	Digital Design
DEAF	Deaf Culture and American Sign Language Studies
DHYG	Dental Hygiene

E

Prefix	Subject Name
ECE	Early Childhood Education
ECON	Economics
EDT	Engineering Design Technology
ENGCW	English - Creative Writing
ENGED	English - Education
ENGLB	English - Laboratory
ENGLT	English - Literature
ENGR	Engineering
ENGRD	English - Reading
ENGWR	English - Writing
ENVT	Environmental Technology
ENTR	Entrepreneurship
ESL	English as a Second Language
ESLG	English as a Second Language - Grammar
ESLL	English as a Second Language - Listening
ESLLAB	English as a Second Language Lab
ESLP	English as a Second Language - Pronunciation
ESLR	English as a Second Language - Reading
ESLW	English as a Second Language - Writing
ET	Electronics Technology
ETHNS	Ethnic Studies

F

Prefix	Subject Name
FASHN	Fashion
FCS	Family and Consumer Science
FITNS	Fitness
FLTEC	Flight Technology
FREN	French

G

Prefix	Subject Name
GAME	Game Design
GEOG	Geography
GEOL	Geology
GERON	Gerontology
GLST	Global Studies
GREEK	Greek

H

Prefix	Subject Name
HCD	Human/Career Development
HEED	Health Education
HIST	History
HUM	Humanities
HSER	Human Services

I

Prefix	Subject Name
IMMT	Industrial Maintenance Mechanic Technician
INDIS	Interdisciplinary Studies
IS	International Studies
ITAL	Italian

J

Prefix	Subject Name
JAPAN	Japanese
JOUR	Journalism

K

Prefix	Subject Name
KINES	Kinesiology
KOREAN	Korean

L

Prefix	Subject Name
LIBR	Library
LIBT	Library and Information Technology
LTAT	Learning, Tutoring, and Academic Technology

M

Prefix	Subject Name
MAKR	Modern Making
MAND	Mandarin
MATH	Mathematics
MATHS	Mathemetics Support
MET	Mechanical-Electrical Technology
MGMT	Management
MKT	Marketing
MODL	3D Modeling
MUFHL	Music Fundamentals/History and Literature
MUIVI	Music Instrumental/Voice Instruction
MUP	Music Performance
MUSM	Specializations in Music

N

Prefix	Subject Name
NURSE	Nursing, Registered
NUTRI	Nutrition

O

Prefix	Subject Name
OPT	Optical Technology
OTA	Occupational Therapy Assistant

P

Prefix	Subject Name
PACT	Personal Activity
PHIL	Philosophy
PHOTO	Photography
PHYS	Physics
POLS	Political Science
PRSIAN	Persian
PSYC	Psychology
PTA	Physical Therapist Assistant
PNJABI	Punjabi

R

Prefix	Subject Name
RAILR	Railroad Operations
RE	Real Estate
RECR	Recreation
RUSS	Russian

S

Prefix	Subject Name
SGVT	Student Government
SJS	Social Justice Studies
SOC	Sociology
SPAN	Spanish
SPORT	Sports
STAT	Statistics
SURVY	Surveying

T

Prefix	Subject Name
TA	Theatre Arts
TAFILM	Theatre Arts Film
TAP	Theatre Arts Performance
TGLG	Tagalog
TMACT	Team Activity

V

Prefix	Subject Name
VIET	Vietnamese
VN	Vocational Nursing

W

Prefix	Subject Name
WGS	Women and Gender Studies
WEXP	Work Experience

Cross-Listed Courses

When a course is listed under two (or more) different departments in the catalog, the course is referred to as "cross-listed," "cross-referenced," or "same as." The cross-listed course has identical content under both departments' catalog listing.

If two (or more) courses are cross-listed, then a student can only earn credit for one of those courses. Students who are not sure which cross-listed course they should enroll in are encouraged to consult with a counselor.

When a cross-listed course is repeatable, the course may be taken (under either name) the total number of times stated in the catalog descriptions of the cross-listed course.

Course Number	Cross-Listed Course	Additional Cross-Listed Course	Course Title
ADMJ 303	PSYC 405	N/A	Substance Abuse: Effects on Body and Behavior
ADMJ 332	ANTH 303	N/A	Introduction to Forensic Anthropology
ADMJ 349	SOC 318	N/A	Introduction to Crime, Deviance, and Social Control
ANTH 303	ADMJ 332	N/A	Introduction to Forensic Anthropology
BUS 325	ECON 330	N/A	Investments and Financial Management
COMM 351	ENGWR 384	JOUR 310	Mass Media and Society
ECON 330	BUS 325	N/A	Investments and Financial Management
ENGLT 400	TAFILM 300	N/A	Introduction to Film
ENGWR 330	JOUR 340	N/A	Writing for Publication
ENGWR 384	COMM 351	JOUR 310	Mass Media and Society
FASHN 335	TA 436	N/A	Historic Costuming
FCS 324	PSYC 370	N/A	Human Development: A Life Span
GERON 300	SOC 335	N/A	Sociology of Aging
GERON 302	PSYC 374	N/A	Psychology of Aging: Adult Development and Aging
JOUR 310	COMM 351	ENGWR 384	Mass Media and Society
JOUR 340	ENGWR 330	N/A	Writing for Publication
JOUR 360	PHOTO 350	N/A	Photojournalism
JOUR 364	PHOTO 380	N/A	Multimedia Capture I
JOUR 365	PHOTO 381	N/A	Multimedia Capture II
KINES 418	NUTRI 302	N/A	Nutrition for Physical Performance
LIBR 325	LIBT 325	N/A	Internet Research Skills
LIBT 325	LIBR 325	N/A	Internet Research Skills
NUTRI 302	KINES 418	N/A	Nutrition for Physical Performance
PHOTO 350	JOUR 360	N/A	Photojournalism
PHOTO 380	JOUR 364	N/A	Multimedia Capture I
PHOTO 381	JOUR 365	N/A	Multimedia Capture II
PSYC 370	FCS 324	N/A	Human Development: A Life Span
PSYC 374	GERON 302	N/A	Psychology of Aging: Adult Development and Aging
PSYC 405	ADMJ 303	N/A	Substance Abuse: Effects on Body and Behavior
SOC 318	ADMJ 349	N/A	Introduction to Crime, Deviance, and Social Control
SOC 335	GERON 300	N/A	Sociology of Aging
SOC 345	WGS 302	N/A	Global Women's Issues
SOC 347	WGS 304	N/A	Women, Globalization, and Human Rights
TA 436	FASHN 335	N/A	Historic Costuming
TAFILM 300	ENGLT 400	N/A	Introduction to Film
WGS 302	SOC 345	N/A	Global Women's Issues
WGS 304	SOC 347	N/A	Women, Globalization, and Human Rights

Meta Majors

Not ready to pick a major? Explore meta majors to help you decide!

Meta majors are groups of degrees and certificates that are similar. Exploring meta majors will help you:

- Have less uncertainty about requirements (and complete fewer excess units)
- Do an intentional exploration of careers within a general field
- Receive wrap-around delivery of services such as counseling and tutoring

Arts and Communication

The Arts and Communication meta major refers to career fields and programs of study that are related to humanities, journalism, and writing, art, art history, media design, literary arts, technical arts, language, photography, performing arts, and fashion design. Careers in arts and communication combine creative expression and interpersonal skills to create innovative work. Explore the following programs:

- Art
- Art History
- Communication
- Design and Digital Media
- English
- English as a Second Language (ESL)
- Fashion
- Foreign Languages
- Journalism
- Music
- Philosophy
- Photography
- Theatre Arts

People and Society

Majors in the area of People and Society examine how people process and document the human experience and human behavior in our societies both current, past and present. Explore the following programs:

- Administration of Justice
- Anthropology
- Early Childhood Education
- Education/Teaching
- Ethnic Studies
- Gerontology
- History
- International Studies
- Legal Studies
- Political Science
- Psychology
- Social Justice Studies
- Sociology
- Women and Gender Studies

Business and Industry

Students who choose the Business and Industry meta major can enjoy employment, advancement, and challenging careers in marketing, management, finance, accounting, real estate, and entrepreneurship. The career pathways include occupations that provide a bridge between business processes or initiatives and information technology processes. Students are generally workforce-ready upon completion of their program of choice. Explore the following programs:

- Accounting
- Aeronautics
- Aviation
- Business
- Computer Information Science
- Cosmetology
- Economics
- Electronics Technology
- Industrial Maintenance Mechanic Technician
- Library
- Mechanical-Electrical Technology

Science, Math, and Engineering

These are the degrees with the most influence over our economy. Science, engineering and math graduates ultimately control how our environment expands and stabilizes. Studying how the most basic things work and interact, these students invent technology that affects the daily operations and capabilities of all other industries. Explore the following programs:

- Biology
- Chemistry
- Engineering
- Engineering Design Technology
- Geography
- Geology
- Mathematics and Statistics

Health and Health Professions

These groups of majors reflect the segment of the health care field that delivers services involving the identification, evaluation and prevention of diseases and disorders; dietary

and nutrition services; and rehabilitation and health systems management.

Careers in these professions play roles in evaluating and assessing a patient's needs, keeping the physician and others informed of the patient's progress and caring for the patient. Others work independently as specialists in exercise, nutrition, health education, and daily function. Explore the following programs:

- Allied Health
- Community Healthcare Worker
- Dental Assisting
- Dental Hygiene
- Kinesiology
- Nursing
- Nutrition and Food Science
- Occupational Therapy Assisting
- Optical Technology
- Physical Therapist Assistant

List of Programs

Accounting

Bookkeepers and accounting clerks record daily financial transactions and can run reports of financial information for managers. They spend most of their time at an office, frequently on a computer. Opportunities are available both full- and part-time. Accountants work more closely with budget and financial analysis, helping managers and owners to make informed business decisions. Some specialties, such as auditing, can involve significant travel. The stereotype of accountants as "bean-counters" has undergone major change as managers work side-by-side with accountants to develop new business opportunities.

Degrees and Certificates Offered

A.S. in Accounting

Accounting Clerk Certificate

Full Charge Bookkeeper Certificate

Dean Dr. Deborah L. Saks

Department Chair Suzanne De Mey

Phone (916) 558-2581

Email DemeyS@scc.losrios.edu

Associate Degree

A.S. in Accounting

The Accounting degree is designed for students planning to seek accounting positions in business, industry, or government upon completion of the required course of study. The program also meets the needs of employed individuals seeking to learn applications of accounting theory as practiced in the field. The program provides the foundation for individuals to prepare financial statements and record business transactions for all types of business and industry. Students develop a strong knowledge base of U.S. Generally Accepted Accounting Principles (GAAP) and accounting procedures. Communication skills, teamwork, computer technology, and ethical behavior are also emphasized.

For those students interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that students meet with an SCC counselor to select and plan the courses to fulfill major requirements. Schools vary widely in terms of the required preparation. The courses that SCC requires for an A.S. degree in this major may be different from the requirements needed for a Bachelor's degree.

Degree Requirements

Course Code	Course Title	Units
ACCT 103	Intermediate Accounting - Part I	4
ACCT 104	Intermediate Accounting - Part II	4
ACCT 301	Financial Accounting	4
ACCT 311	Managerial Accounting	4
ACCT 341	Computerized Accounting	3
ACCT 361	Ethics, Fraud, and Legal Issues for Accountants	3
BUS 300	Introduction to Business	3
A minimum of 10 units from the following:		10[1]
ACCT 101	Fundamentals of College Accounting (3)	
ACCT 107	Auditing (3)	
ACCT 111	Cost Accounting (3)	
ACCT 121	Payroll Accounting (3)	
ACCT 123	Federal and California Individual Income Taxation (4)	
ACCT 151	Governmental Auditing (3)	
ACCT 153	Governmental Accounting (3)	
ACCT 343	Computer Spreadsheet Applications for Accounting (2)	
BUS 340	Business Law (3)	
CISA 315	Introduction to Electronic Spreadsheets (2)	
CISA 316	Intermediate Electronic Spreadsheets (2)	
CISC 310	Introduction to Computer Information Science (3)	
Total Units:		**35**

[1]ACCT 343 is Recommended

The Accounting Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- record, classify, summarize, and report the business transactions of a company.
- prepare financial statements in conformity with U.S. Generally Accepted Accounting Principles (GAAP).
- explain and integrate the role of ethics and standards of professional conduct in the accounting profession.
- demonstrate the ability to support management functions through budgeting, planning, and decision-making.
- integrate the principles of business, business law, and economics into accounting functions.
- apply principles of accounting to more advanced topics such as, but not limited to: individual taxation, auditing, governmental accounting, cost accounting, and payroll accounting.

Career Information

The Accounting degree is designed to provide the knowledge necessary for immediate employment at an entry or intermediate level accounting, recordkeeping, or clerk position with many private sector and government organizations. The degree is also designed to provide an excellent base of knowledge for those who would like to pursue an advanced degree in accounting, business, economics, or law. The accounting courses also meet unit requirements of local area governmental employers' promotional exams in accounting. All

the accounting courses in this program can be used to meet unit requirements of the California State Board of Accountancy's Certified Public Accountant's exam.

Certificates of Achievement

Accounting Clerk Certificate

The Accounting Clerk certificate provides fundamental occupational training and preparation for entry-level accounting clerk positions. The program includes basic accounting courses and specialized courses designed for the accounting workplace, including basic computer and business principles courses.

Certificate Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting	3
ACCT 121	Payroll Accounting	3
ACCT 341	Computerized Accounting	3
BUS 105	Business Mathematics	3
CISA 315	Introduction to Electronic Spreadsheets	2
A minimum of 6 units from the following:		6[1]
ACCT 123	Federal and California Individual Income Taxation (4)	
ACCT 301	Financial Accounting (4)	
ACCT 343	Computer Spreadsheet Applications for Accounting (2)	
BUS 107	Keyboarding (1 - 3)	
CISA 316	Intermediate Electronic Spreadsheets (2)	
Total Units:		**20**

[1]For BUS 107 student must complete 2 out of the 3 course levels.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze and record accounting transactions in both manual and computerized accounting systems.
- prepare financial statements manually and using a computerized accounting system.
- solve basic business math problems.
- demonstrate proficiency in the use of word processing and spreadsheet software.

Career Information

Career opportunities include accounting clerk or entry-level bookkeeper positions such as: accounts payable clerk, accounts receivable clerk, billing clerk, payroll assistant, assistant bookkeeper, or office assistant.

Full Charge Bookkeeper Certificate

The Full Charge Bookkeeper certificate program provides advanced occupational training in accounting. The program provides a strong background in financial and managerial accounting, basic business principles, and business technology.

Certificate Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting	3
ACCT 121	Payroll Accounting	3
ACCT 301	Financial Accounting	4
ACCT 311	Managerial Accounting	4
ACCT 341	Computerized Accounting	3
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 316	Intermediate Electronic Spreadsheets	2
A minimum of 6 units from the following:		6
ACCT 123	Federal and California Individual Income Taxation (4)	
ACCT 343	Computer Spreadsheet Applications for Accounting (2)	
ACCT 361	Ethics, Fraud, and Legal Issues for Accountants (3)	
BUS 105	Business Mathematics (3)	
Total Units:		**27**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify, analyze, record, and report the financial transactions of an organization using manual and computerized accounting systems.
- measure and categorize costs within a business organization.
- develop information useful to management in the budgeting, planning, and decision-making processes of an organization.
- calculate basic federal and California payroll taxes.
- demonstrate proficiency in the use of word processing and spreadsheet software.

Career Information

Career opportunities include higher level accounting positions, such as full charge bookkeeper, accountant, or accounting supervisor.

Accounting (ACCT) Courses

ACCT 101 Fundamentals of College Accounting

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

Advisory: ENGRD 110, ENGWR 101, and MATH 34 with a grade of "C" or better.

This is an introductory course in small business accounting. It covers the accounting cycle for service and merchandising businesses. Topics include identifying and recording accounting transactions in the general and special journals, posting to the general ledger and subsidiary ledgers, preparation of a trial balance, adjusted trial balance and post-closing trial balance, and preparation of adjusting, correcting, and closing entries. Income statements, statements of owner's equity, and balance sheets are prepared and analyzed using basic financial ratios. Additional topics include cash management and bank reconciliations, accounting for sales and purchase discounts, sales taxes, merchandise inventory, and payroll. This course is highly recommended for students who intend to seek employment in a small service or merchandising business, is an excellent preparation course for further study in accounting and business, and is required for accounting degree and certificate candidates.

ACCT 103 Intermediate Accounting - Part I

Units: 4
Hours: 72 hours LEC
Prerequisite: ACCT 301 with a grade of "C" or better

This course is a continuing study and application of accounting principles introduced in ACCT 301 as related to cash and cash flows, receivables, inventories, plant and equipment, intangible assets, current and long-term liabilities, and the time value of money. This course is not intended for transfer to a four-year college.

ACCT 104 Intermediate Accounting - Part II

Units: 4
Hours: 72 hours LEC
Prerequisite: ACCT 103 with a grade of "C" or better

This course is a continuing study and application of financial accounting principles introduced in ACCT 301 and further expanded on in ACCT 103 as related to stockholders' equity, earnings per share, investments, revenue recognition, cash flows, accounting changes, disclosure and reporting, and analysis of financial statements. This course introduces the study of income taxes, deferred income taxes, long-term construction contracts, pension plans, capital/finance leases, and restatement of financial statements. This course is not intended for transfer to a four-year college.

ACCT 107 Auditing

Units: 3
Hours: 54 hours LEC
Prerequisite: ACCT 301 with a grade of "C" or better
Advisory: ACCT 103 with a grade of "C" or better

This course covers procedures and practices used in the verification of accounting records and financial statements. External auditing functions will be emphasized.

ACCT 111 Cost Accounting

Units: 3
Hours: 54 hours LEC
Prerequisite: ACCT 311 with a grade of "C" or better

This course is a continuation of the study of managerial accounting with an emphasis on cost accounting systems. Special attention is placed on the development of cost information needed by managers in manufacturing, merchandising, and service related businesses.

ACCT 121 Payroll Accounting

Units: 3
Hours: 54 hours LEC
Prerequisite: ACCT 101 with a grade of "C" or better

This course covers the basic fundamentals and current practices in payroll processing, payroll accounting, and payroll tax reporting. Federal and state compliance pertaining to payroll processing and tax reporting will be studied. Topics include the Federal Labor Standards Act (FLSA) and state wage and hour laws and how they affect the payroll workflow.

ACCT 123 Federal and California Individual Income Taxation

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 with a grade of "C" or better; ACCT 101 or ACCT 301 with a grade of "C" or better.

This course is a study of basic Federal and California income tax regulations with an introduction to more advanced individual income tax topics. The course emphasizes the skills necessary for the preparation of individual income tax returns. Included are filing requirements, determination of taxable income, allowable deductions, tax computation, tax credits, other taxes, payment methods, and audit procedures. This course is recommended for accounting majors and is not part of the State of California CTEC program.

ACCT 151 Governmental Auditing

Units: 3
Hours: 54 hours LEC
Prerequisite: ACCT 153 with a grade of "C" or better

This course provides an introduction to the auditing of governmental programs and activities. Emphasis is on the auditing requirements, standards, procedures, and practices used in the verification of governmental accounting records and financial statements. The internal auditing function will be emphasized.

ACCT 153 Governmental Accounting

Units: 3
Hours: 54 hours LEC
Prerequisite: ACCT 301 with a grade of "C" or better

This course covers accounting and financial reporting for governmental units and institutions with emphasis on the principles of fund accounting and the comprehensive annual financial report as prescribed by the Governmental Accounting Standards Board. Additional topics include the accounting aspects of budgeting and budgetary control for governmental entities and accounting for nonprofit organizations.

ACCT 295 Independent Studies in Accounting

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered accounting courses.

ACCT 299 Experimental Offering in Accounting

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ACCT 301 Financial Accounting

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Advisory: ACCT 101, ENGRD 310, and MATH 100; or placement through the assessment process; with grades of "C" or better
Transferable: CSU; UC
C-ID: C-ID ACCT 110

This course examines accounting as an information system, evaluating why it is important and how it is used by investors, creditors, and others to make business decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. The course includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. This course is required of all business majors, minors, and accounting degree and certificate candidates.

ACCT 311 Managerial Accounting

Units: 4
Hours: 72 hours LEC
Prerequisite: ACCT 301 with a grade of "C" or better
Advisory: ENGRD 310 and MATH 100 with grades of "C" or better; or placement through the assessment process; with a grade of "C" or better
Transferable: CSU; UC
C-ID: C-ID ACCT 120

This course is the study of how managers use accounting information in decision-making, planning, directing operations, and controlling. The course focuses on cost terms and concepts, cost behavior, cost structure, and cost-volume-profit analysis. It includes issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments.

ACCT 341 Computerized Accounting

Units: 3
Hours: 54 hours LEC
Prerequisite: ACCT 101 or 301 with a grade of "C" or better
Transferable: CSU

This course emphasizes the major areas of a computerized accounting system: general ledger, accounts receivable and revenues, accounts payable and expenses and purchases, fixed assets and depreciation, cash receipts and cash disbursements, bank reconciliations, job order costing, adjusting and closing entries, and financial statements. The course provides practical experience in the use of master files, transactions, and reports. Individual sections of this course will use software designed for small businesses such as QuickBooks, Sage 50, or other contemporary software accounting systems.

ACCT 343 Computer Spreadsheet Applications for Accounting

Units: 2
Hours: 36 hours LEC
Prerequisite: ACCT 101 or ACCT 301 with grades of "C" or better, AND CISA 315 with a grade of "C" or better.
Advisory: ACCT 311 with a grade of "C" or better
Transferable: CSU

This course combines the study of accounting and computer spreadsheets. Projects include financial statements, financial analysis, payroll, inventory, data analysis, and other accounting topics. The course focuses on clarity, creativity, and presentation skills.

ACCT 361 Ethics, Fraud, and Legal Issues for Accountants

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ACCT 107, ACCT 301, ENGRD 110, and ENGWR 101; with grades of "C" or better.
Transferable: CSU

This course explores ethics, fraud, and legal issues that must be addressed by accountants, including exploration through case studies. Topics include ethical foundations as well as the unique ethical requirements of professional organizations and the California Board of Accountancy. The course also examines the legal liability of accountants. A variety of case studies are evaluated to gain perspective into ethical lapses, fraud, and legal liability.

ACCT 495 Independent Studies in Accounting

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered accounting courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ACCT 499 Experimental Offering in Accounting

Units: 0.5 - 4

Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Administration of Justice

The general field referred to as "Administration of Justice" is directed toward the prevention, discovery, control, and treatment of crimes, criminals, and criminality. Students desiring to enter a career concerned with the administration of justice will find that this curriculum has the flexibility that allows them to prepare for specific fields included in that broad category. The program also provides the basis for advanced study at a four-year college.

Degrees and Certificates Offered

A.S.-T. in Administration of Justice

A.A.-T. in Law, Public Policy, and Society

A.S. in Administration of Justice

Legal Studies Certificate

Dean Dennis Lee

Department Chair Kelly Gould

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.S.-T. in Administration of Justice

The general field referred to as “Administration of Justice” is directed toward the prevention, discovery, control, and treatment of crimes, criminals, and criminality. Students desiring to enter a career concerned with the administration of justice will find that this curriculum has flexibility that allows them to prepare for specific fields included in that broad category. The program provides the basis for advanced study at a four-year college. Opportunities for college graduates include positions in local, state, and federal, law enforcement, courts, and correctional services.

General college preparatory courses are recommended as High School Preparation.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
ADMJ 300	Introduction to Administration of Justice	3
ADMJ 320	Concepts of Criminal Law (3)	3
or ADMJ 480	Concepts of Criminal Law - Honors (3)	
A minimum of 6 units from the following:		6
ADMJ 302	Community Relations: Multicultural Issues (3)	
ADMJ 304	Juvenile Delinquency (3)	
ADMJ 322	Criminal Procedures (3)	
ADMJ 323	Legal Aspects of Evidence (3)	
ADMJ 330	Criminal Investigation (3)	
ADMJ 340	Introduction to Correctional Services (3)	
A minimum of 6 units from the following:		6
ADMJ 301	Investigative Report Writing (3)	
ADMJ 315	Pathway To Public Safety Careers (3)	
SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
PSYC 480	Honors General Principles (3)	
or PSYC 300	General Principles (3)	
SOC 480	Introductory Sociology - Honors (3)	
or SOC 300	Introductory Sociology (3)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
or PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
or ECON 310	Statistics for Business and Economics (3)	
Total Units:		**18**

The Associate in Science in Administration of Justice for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- effectively communicate in both oral and written formats.
- identify and explain the history, purpose, function, authority, and interactions of law enforcement, courts, and corrections on the local, state, and federal levels.
- identify and differentiate career opportunities in the criminal justice system at the local, state, and federal levels.

- analyze crime causation, recognize the elements within criminal statutes, and be familiar with criminal procedures utilized to enforce those statutes.
- evaluate the complex legal aspects of criminal investigations, procedures, constitutional law, and case law.
- apply laws and procedures for the collection and utilization of evidence for the purpose of criminal prosecutions.
- recognize the essential need for cultural sensitivity in our diverse society and how this diversity impacts the criminal justice system.
- recognize the significant importance of cultural competency, integrity, transparency, ethical decision making, accountability, and compassion as part of the service requirements for criminal justice professionals.

Career Information

A variety of career opportunities are open to students who successfully complete specific portions of this program of study. There is a demand for qualified personnel in such areas as law enforcement, courts, and corrections. Professionally rewarding employment in these areas may be found on the local, state, federal, and private levels.

A.A.-T. in Law, Public Policy, and Society

The Associate in Arts in Law, Public Policy, and Society for Transfer degree offers courses that satisfy lower-division General Education requirements in both the physical and social sciences, providing students with a solid foundation in Law, Public Policy, and Society as well as the standard prerequisites for upper-division coursework leading to the baccalaureate degree. Students planning to transfer to a CSU with a major in Law, Public Policy, and Society should consult the lower division requirements at the university they plan to attend. Through interdisciplinary studies in the administration of justice, political science, business, history, economics, sociology, global studies, and communications, students will acquire skills in critical thinking, persuasive communication, analytical writing, and a foundational understanding of the behavioral and social sciences.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60-semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A ”P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
Core Classes:		
A minimum of 24 units from the following:		24
BUS 345	Law and Society (3)	
or BUS 340	Business Law (3)	
or ADMJ 322	Criminal Procedures (3)	
or ADMJ 320	Concepts of Criminal Law (3)	
or ADMJ 300	Introduction to Administration of Justice (3)	
or ADMJ 480	Concepts of Criminal Law - Honors (3)	
COMM 331	Group Discussion (3)	
or COMM 311	Argumentation and Debate (3)	
or COMM 301	Introduction to Public Speaking (3)	
or COMM 481	Introduction to Public Speaking - Honors (3)	
ENGWR 302	Advanced Composition and Critical Thinking (3)	
or COMM 315	Persuasion (3)	
or COMM 311	Argumentation and Debate (3)	
or ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
or PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
or ECON 310	Statistics for Business and Economics (3)	
ESLW 340	Advanced Composition (4)	
or ENGWR 300	College Composition (3)	
or ENGWR 488	Honors College Composition and Research (4)	
HIST 484	History of the United States - Honors (3)	
or HIST 483	History of the United States - Honors (3)	
or HIST 321	History of the United States: African-American Emphasis (3)	
or HIST 320	History of the United States: African-American Emphasis (3)	
or HIST 486	History of the United States: African American Emphasis - Honors (3)	
or HIST 487	History of the United States: African American Emphasis - Honors (3)	
or HIST 310	History of the United States (To 1877) (3)	
or HIST 311	History of the United States (1865 - Present) (3)	
PHIL 310	Introduction to Ethics (3)	
POLS 481	Introduction to Government: United States - Honors (3)	
or POLS 301	Introduction to Government: United States (3)	
Select two courses (6 units total) from two different areas listed below (courses must not have been used above):		
A minimum of 6 units from the following:		6

Course Code	Course Title	Units
Area 1: Administration of Justice		
ADMJ 300	Introduction to Administration of Justice (3)	
ADMJ 302	Community Relations: Multicultural Issues (3)	
ADMJ 304	Juvenile Delinquency (3)	
ADMJ 320	Concepts of Criminal Law (3)	
or ADMJ 480	Concepts of Criminal Law - Honors (3)	
ADMJ 322	Criminal Procedures (3)	
ADMJ 323	Legal Aspects of Evidence (3)	
ADMJ 340	Introduction to Correctional Services (3)	
SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
Area 2: Business		
BUS 340	Business Law (3)	
BUS 345	Law and Society (3)	
Area 3: Economics		
ECON 302	Principles of Macroeconomics (3)	
ECON 304	Principles of Microeconomics (3)	
Area 4: Political Science		
POLS 302	Comparative Politics (3)	
POLS 480	Introduction to International Relations - Honors (3)	
or POLS 310	Introduction to International Relations (3)	
POLS 320	Introduction to Political Theory (3)	
Area 5: Public Policy		
GLST 301	Introduction to Global Studies (3)	
GLST 302	Global Issues (3)	
POLS 350	Environmental Politics (3)	
SJS 300	Introduction to Social Justice Studies (3)	
SOC 301	Social Problems (3)	
or SOC 481	Social Problems - Honors (3)	
Area 6: Diversity		
ANTH 481	Honors Cultural Anthropology (3)	
or ANTH 310	Cultural Anthropology (3)	
COMM 325	Intercultural Communication (3)	
ETHNS 300	Introduction to Ethnic Studies (3)	
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
SOC 341	Sex and Gender in the U.S. (3)	
Area 7: College Success		
HCD 310	College Success (3)	
Total Units:		**30**

The Associate in Arts in Law, Public Policy, and Society for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify and discuss the legal framework for American institutions and systems of justice.
- critically analyze issues in public policy consistent with constitutional legal standards and mandates.
- demonstrate knowledge of practical applications and evaluations of policy outcomes in civic culture.
- analyze, investigate, and compare ideological approaches to governmental systems.
- research specific topics of discussion in local, state, national, and international politics.
- identify and demonstrate effective and appropriate written and oral communication skills, both verbal and nonverbal, in a variety of communication contexts and with diverse populations.

Career Information

Career opportunities with a bachelor's degree include professions in law, government, public relations, lobbying, diplomacy, advocacy, public safety services, intelligence analysts, criminal investigations, court service careers, social work, and correctional services.

Associate Degrees

A.S. in Administration of Justice

The general field referred to as “Administration of Justice” is directed toward the prevention, discovery, control, and treatment of crimes, criminals, and criminality. Students desiring to enter a career concerned with the administration of justice will find that this curriculum has flexibility that allows them to prepare for specific fields included in that broad category. The program also provides the basis for advanced study at a four-year college. Opportunities for college graduates include positions in local, state, and federal, law enforcement, courts and correctional services.

Recommended High School Preparation: General college preparatory courses.

Degree Requirements

Course Code	Course Title	Units
ADMJ 300	Introduction to Administration of Justice	3
ADMJ 302	Community Relations: Multicultural Issues	3
ADMJ 304	Juvenile Delinquency	3
ADMJ 320	Concepts of Criminal Law (3)	3
or ADMJ 480	Concepts of Criminal Law - Honors (3)	
ADMJ 322	Criminal Procedures	3

Course Code	Course Title	Units
ADMJ 323	Legal Aspects of Evidence	3
ADMJ 330	Criminal Investigation	3
Total Units:		**21**

The Administration of Justice Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- effectively communicate in both oral and written formats.
- identify and explain the history, purpose, function, authority, and interactions of law enforcement, courts, and corrections on the local, state, and federal levels.
- identify and differentiate career opportunities in the criminal justice system at the local, state, and federal levels.
- analyze crime causation, recognize the elements within criminal statutes, and be familiar with criminal procedures utilized to enforce those statutes.
- evaluate the complex legal aspects and procedures of criminal investigations, procedures, constitutional law, and case law.
- apply laws and procedures for the collection and utilization of evidence for the purpose of criminal prosecutions.
- recognize the essential need for cultural sensitivity in our diverse society and how this diversity impacts the criminal justice system.
- recognize the significant importance of cultural competency, integrity, transparency, ethical decision making, accountability, and compassion as part of the service requirements for criminal justice professionals.

Career Information

A variety of career opportunities are open to students who successfully complete specific portions of this program of study. There is a demand for qualified personnel in such areas as law enforcement, courts, and corrections. Professionally rewarding employment in these areas may be found on the local, state, federal, and private levels.

Certificate of Achievement

Legal Studies Certificate

The legal studies certificate is designed to enhance opportunities for employment in the legal profession.

Certificate Requirements

Course Code	Course Title	Units
BUS 345	Law and Society (3)	3
or SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
or BUS 340	Business Law (3)	
COMM 303	Mediated Oral Communication (3)	3
or COMM 311	Argumentation and Debate (3)	
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
or ESLW 340	Advanced Composition (4)	
ENGWR 301	College Composition and Literature (3)	3 - 4
or ENGWR 302	Advanced Composition and Critical Thinking (3)	
or ENGWR 303	Argumentative Writing and Critical Thinking Through Literature (4)	
or ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
HIST 310	History of the United States (To 1877) (3)	3
or HIST 311	History of the United States (1865 - Present) (3)	
or HIST 320	History of the United States: African-American Emphasis (3)	
or HIST 321	History of the United States: African-American Emphasis (3)	
or HIST 483	History of the United States - Honors (3)	
or HIST 484	History of the United States - Honors (3)	
or HIST 486	History of the United States: African American Emphasis - Honors (3)	
or HIST 487	History of the United States: African American Emphasis - Honors (3)	
POLS 301	Introduction to Government: United States (3)	3
or POLS 481	Introduction to Government: United States - Honors (3)	
STAT 300	Introduction to Probability and Statistics (4)	3 - 4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
or ECON 310	Statistics for Business and Economics (3)	
or PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
Total Units:		**21 - 24**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- effectively communicate in both oral and written formats.
- identify career opportunities in the legal profession.

- analyze crime causation, recognize the elements within statues and be familiar with procedures utilities to enforce those statutes.
- evaluate the complex legal aspects of criminal investigations, law procedures, constitutional law, and case law.
- identify and explain the purpose and authority of the local, state, and federal courts systems.
- define and use legal terminology accurately and appropriately.

Career Information

Career opportunities in legal studies have an excellent outlook. Labor Market Information for the greater Sacramento region indicates that there is an undersupply of educational awards in legal studies as compared to the number of projected annual openings for positions in this professional area. This certificate creates opportunities in the legal profession as lawyer, judge, mediator, paralegal, consultant, educator, corporate attorney, court administrator, governmental administrator, or politician.

Administration of Justice (ADMJ) Courses

ADMJ 300 Introduction to Administration of Justice

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4
C-ID: C-ID AJ 110

This course introduces the characteristics of the American criminal justice system, U.S. Constitutional Rights, criminal activity, crime causation, domestic and international criminal threats, law enforcement response to criminal activity, and future law enforcement trends. It emphasizes the components of the American justice system, due process, courts and correctional services, ethics, and leadership.

ADMJ 301 Investigative Report Writing

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU

This course provides a study of the techniques of communicating facts, information, and ideas effectively in a simple, clear, and logical manner in the various types of reports used in the criminal justice system. Emphasis is placed on criminal justice terminology, organization of information, investigative note-taking and report writing, and presentation of written findings in a criminal court.

ADMJ 302 Community Relations: Multicultural Issues

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4
C-ID: C-ID AJ 160

This course examines the complex patterns of ethnic relations. The course emphasis relates specifically to the theoretical relationship between communities and the institutions of the justice system. The course examines the role and interplay of race, ethnicity, gender, sexual orientation, social class, culture, and the justice system from a historical and contemporary perspective. This course analyzes the challenges and prospects of administering justice within a diverse, multicultural population in the United States and offers a comparative perspective of nonwestern societies.

ADMJ 303 Substance Abuse: Effects on Body and Behavior

Same As: PSYC 405
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 300 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(b)

This course will educate students in drug identification, signs and symptomatology, methods of use, duration of effect, behaviors, addiction, and treatment options. The course examines historical and contemporary perspectives of substance abuse issues, epidemiologic data used to establish the prevalence, incidence, and identity of at risk groups, and trends of substances of abuse and approaches to treatment. This course is especially advised for people who are seeking or working in careers in health, law enforcement, counseling, psychology, business, social services, or teaching. Credit may be earned for either PSYC 405 or ADMJ 303, but not for both.

ADMJ 304 Juvenile Delinquency

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 101, and ESLW 340 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4
C-ID: C-ID AJ 220

This course is designed to examine at-risk and delinquent juvenile behaviors from a variety of historical and contemporary perspectives. This course examines the concept of delinquency, theories of childhood development, social, community, and environmental influences on children. An overview of adolescent problems and current approaches being utilized to confront these problems will also be discussed. Specifically, this course analyzes the nature and extent of

delinquency with relation to gender differences, family dynamics, peer and gang groups, schools, drug use, and the juvenile justice courts.

ADMJ 315 Pathway To Public Safety Careers

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, or ESLW 340 with a grade of "C" or better
Transferable: CSU

This course is designed for students who are pursuing careers in public safety services. Topics of this course include the history, structure, purpose, and function of federal, state, and local government services, as well as characteristics and function of careers that provide services for the well-being and safety to the public. This course examines the values and mission employed by public agencies, and also explores the complex relationship between communities and the institutions and agencies charged with their governance. Lastly, this course provides an overview of the complexity and thoroughness of the pre-employment testing processes involved in testing for jobs in public safety assignments. Emphasis is placed on career readiness, pre-employment preparation, writing competency, employment and career search techniques, application processes, pre-employment testing, interviews, background investigations, academy training, probationary status and conditional job offers.

ADMJ 320 Concepts of Criminal Law

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 300 with grades of "C" or better
Transferable: CSU; UC
C-ID: C-ID AJ 120

This course examines the philosophy and structure of criminal law in the United States. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case studies to introduce students to criminal law and the classification of crimes against persons, property, morals, and public welfare. It also includes a discussion of prosecution and defense decision making, criminal culpability, and defenses of crimes. ADMJ 480 is the "honors" equivalent of ADMJ 320. Students eligible for the Honors Program may elect to take ADMJ 480 instead of ADMJ 320. Because of the close similarity of the courses credit may be earned for ADMJ 320 or for ADMJ 480 but not for both.

ADMJ 321 Substantive Criminal Law

Units: 3
Hours: 54 hours LEC
Prerequisite: ADMJ 320 with a grade of "C" or better
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU

This course is an in-depth study of the substantive criminal laws commonly enforced by California state, county, and municipal law enforcement officers. The course provides a complete analysis of both statute law as created by the state legislature and case law as defined in state and federal appellate court decisions.

ADMJ 322 Criminal Procedures

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU
C-ID: C-ID AJ 122

This course is an in-depth study of criminal procedures used to enforce substantive law at both the federal and state level. Every step of the criminal process from arrest to appeal will be thoroughly explored in this course.

ADMJ 323 Legal Aspects of Evidence

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU
C-ID: C-ID AJ 124

This course examines the origins, development, philosophy, and constitutional foundations of the rules of evidence as applied in United States law. Emphasis is placed on the types of evidence and laws governing admissibility of evidence into criminal procedures. Topics covered include search and seizure, hearsay evidence, witness competency, and direct evidence as contrasted to circumstantial evidence.

ADMJ 330 Criminal Investigation

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU
C-ID: C-ID AJ 140

This course introduces students to investigative procedures and concepts applied to criminal investigations. Topics include crime scene response, collection and processing of physical evidence, techniques of surveillance, undercover assignments, and interrogation. This course will examine the role of the criminal investigator, legal requirements, search warrants, warrant service, and recognizing exceptions to the search warrant rule.

ADMJ 331 Patrol Procedures

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU

This course will study the organization of patrol division, types of patrol, and patrol duties. The role of the patrol officer in

community relations, crime prevention, ethics, professionalism, and law enforcement will be examined.

ADMJ 332 Introduction to Forensic Anthropology

Same As: ANTH 303
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ANTH 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area IV

This course is an overview of forensic anthropology, an applied field of physical anthropology. Forensic anthropology uses the analysis of human skeletal remains to answer medico-legal questions. This course emphasizes current techniques used in analysis of human skeletal remains, medico-legal procedures, and the role of the anthropologist in the investigative process. It examines the basics of bone biology, methods of skeletal analysis, and recognition of bone pathology and trauma. Students may earn credit for either ANTH 303 or ADMJ 332 but not for both.

ADMJ 335 Profiling Terrorism

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course examines the world wide phenomenon known as terrorism. Students will study the social-historical origins of terrorism and the ideologies and philosophies of terrorist groups on a national and international level. Emphasis will be on exploring the law enforcement/intelligence methods utilized to prevent and respond to terrorist-related crime.

ADMJ 340 Introduction to Correctional Services

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU; UC (effective Fall 2022)
General Education: AA/AS Area III(b)
C-ID: C-ID AJ 200

This course provides an overview of both the adult and juvenile corrections systems in the United States. The topics in this course include the history of the correctional system in America, the school to prison pipeline that exists with at-risk groups, a focus on the legal issues, specific laws, and general operation of correctional institutions, and an introduction to probation and parole supervision. The relationship between corrections and other components of the criminal justice system is also examined.

ADMJ 346 Probation and Parole

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, and ESLW 340 with grades of "C" or better
Transferable: CSU

This course will compare and contrast probation and parole. Topics will include organization, function, goals, ethics, historical development, and treatment theory. California probation and parole programs will also be examined.

ADMJ 349 Introduction to Crime, Deviance, and Social Control

Same As: SOC 318
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: LIBR 318 and either ENGWR 300 or ESLW 340 with grades of "C" or better
Transferable: CSU; UC (Same As SOC 318)
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4
C-ID: C-ID SOCI 160

This course introduces various sociological perspectives regarding issues of crime, deviance, and social control. Particular attention is paid to the analysis of how laws and cultural norms shape the definition and meaning of crime and deviance. Topics covered include street crimes, corporate crimes, white-collar crimes, domestic violence, drugs and alcohol abuse, lifestyle crimes, prison systems, capital punishment, rehabilitation, and the trend towards privatization of prisons. Field trips may be required. Credit may be earned for ADMJ 349 or SOC 318 but not for both.

ADMJ 480 Concepts of Criminal Law - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for admission to the Honors Program.
Advisory: ENGRD 310, ENGWR 300, or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC (effective Fall 2022)
C-ID: C-ID AJ 120

Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions. This course examines the philosophy and structure of criminal law in the United States. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of civil law, common and statutory law, and the nature of acceptable evidence. This honors section uses an intensive instructional methodology with extensive research projects to challenge motivated students. Particular emphasis is placed on the utilization and analysis of case studies related to criminal law and the classification of crimes against persons, property, morals, and public welfare. It also includes a discussion of prosecution and defense decision making, criminal culpability, and defenses of crimes. Credit may be earned for ADMJ 320 or ADMJ 480 but not for both.

ADMJ 494 Topics in Administration of Justice

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to examine current problems or specific topics pertaining to the administration of justice field. Particular subjects to be covered each semester will be determined by faculty from within the administration of justice department.

ADMJ 495 Independent Studies in Administration of Justice

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course is designed to examine current problems or specific topics pertaining to the administration of justice field. Particular subjects to be covered each semester will be determined by faculty from within the administration of justice department.

ADMJ 498 Work Experience in Administration of Justice

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Title 5 regulations, a student cannot earn academic credits in a Work Experience class unless they have either a job or an internship that relates specifically to the field of Administration of Justice.
Transferable: CSU
General Education: AA/AS Area III(b)

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to Administration of Justice Major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

ADMJ 499 Experimental Offering in Administration of Justice

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Aeronautics

Notice

Beginning with the Summer 2022 Semester, all AERO (Aeronautics) classes will be reclassified as AMTP (Aviation Maintenance Technician Program). The prerequisite class to enter the program is AMTP 309.

Sacramento City College maintains a Federal Aviation Administration-approved two-year program organized to train students as airframe and powerplant maintenance technicians. The program is designed to meet the needs of students who desire technical training to qualify for the Federal Aviation tests.

Degrees and Certificates Offered

A.S. in Airframe

A.S. in Combined Airframe and Powerplant

A.S. in Powerplant

Airframe Certificate

Combined Airframe and Powerplant Certificate

Powerplant Certificate

Dean Andrea Gaytan

Department Chair Kevin Goehring

Email goehrik@scc.losrios.edu

Associate Degrees

A.S. in Airframe

Sacramento City College maintains a Federal Aviation Administration-approved two-year program organized to train students as airframe and powerplant maintenance technicians. The program is designed to meet the needs of students who desire technical training to qualify for the Federal Aviation tests.

The Aeronautics program is governed by regulations established by the Federal Aviation Administration. This Federal Aviation Administration (FAA) approved program fulfills all of the requirements under CFR 14, Federal Aviation Regulation part 147. Completion of this program will allow the graduate to test for the FAA Airframe Mechanic Certificate.

Upon passing the appropriate Federal examinations, the graduate is certificated to work on aircraft as a technician and to supervise the work of others on such craft.

Program Costs: In addition to the normal student expenses, minimal lab expenses may be incurred.

Recommended High School Preparation: English, mathematics, electronics, science, computers, and industrial shop.

Degree Requirements

Course Code	Course Title	Units
AERO 300	General Airframe and Powerplant	5
AERO 301	General Airframe and Powerplant Applications	3
AERO 302	Basic Electricity and Electrical Systems	5
AERO 303	Basic Electricity, Airframe and Powerplant Electrical Systems Applications	3
AERO 320	Airframe Systems and Components	5
AERO 321	Airframe Structures	5
AERO 322	Airframe Systems and Components Applications	3
AERO 323	Airframe Structures and Systems Applications	3
AERO 330	Advanced Airframe and Powerplant Inspection	5
AERO 331	Advanced Structures and Systems Inspection	5
AERO 332	Advanced Airframe and Powerplant Inspection Applications	3
AERO 333	Advanced Structures and Systems Inspection Applications	3
AERO 309	Introduction to Aircraft Mechanics	2
Total Units:		**50**

The Airframe Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Transfers from another Federal Aviation Administration Part 147 approved airframe and powerplant school must provide an official transcript and catalog for evaluation by the department.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the knowledge and skills to qualify for the General and Airframe portion of the Federal Aviation Administration Airframe Mechanic exam to include the written, oral, and practical tests.
- demonstrate the knowledge and skills to inspect, maintain, repair, and modify airframe structures.

Career Information

The Department of Advanced Transportation Technology currently offers courses and/or certificate programs in Aeronautics, Flight Technology, and Non-Destructive Testing. This department focuses on new and emerging transportation related courses, as well as traditional training, which may lead directly to employment in local, state, and nationally recognized fields. Airframe Technicians are employed by major/regional airlines, certificated repair stations, fixed based operators, charter services, flight schools, corporate flight departments, agricultural aircraft operators,and helicopter

operations as well as government agencies and the military. Many experienced technicians opt to operate their own aviation businesses.

A.S. in Combined Airframe and Powerplant

Sacramento City College maintains a Federal Aviation Administration-approved two-year program organized to train students as airframe and powerplant maintenance technicians. The program is designed to meet the needs of students who desire technical training to qualify for the Federal Aviation tests.

The Aeronautics program is governed by regulations established by the Federal Aviation Administration. This Federal Aviation Administration (FAA) approved program fulfills all the requirements under CFR 14, Federal Aviation Regulation part 147. Completion of this program will allow the graduate to test for the FAA Airframe & Powerplant Mechanic Certificate.

Upon passing the appropriate Federal examinations, the graduate is certificated to work on aircraft as a technician and to supervise the work of others on such craft.

Program Costs: In addition to the normal student expenses, minimal lab expenses may be incurred.

Recommended High School Preparation: English, mathematics, electronics, science, computers, and industrial shop.

Degree Requirements

Course Code	Course Title	Units
AERO 300	General Airframe and Powerplant	5
AERO 301	General Airframe and Powerplant Applications	3
AERO 302	Basic Electricity and Electrical Systems	5
AERO 303	Basic Electricity, Airframe and Powerplant Electrical Systems Applications	3
AERO 310	Powerplant Theory and Maintenance	5
AERO 311	Powerplant Theory and Maintenance Applications	3
AERO 312	Powerplant Systems and Components	5
AERO 313	Powerplant Systems and Components Applications	3
AERO 320	Airframe Systems and Components	5
AERO 321	Airframe Structures	5
AERO 322	Airframe Systems and Components Applications	3
AERO 323	Airframe Structures and Systems Applications	3
AERO 330	Advanced Airframe and Powerplant Inspection	5
AERO 331	Advanced Structures and Systems Inspection	5
AERO 332	Advanced Airframe and Powerplant Inspection Applications	3
AERO 333	Advanced Structures and Systems Inspection Applications	3
AERO 309	Introduction to Aircraft Mechanics	2
Total Units:		**66**

The Combined Airframe and Powerplant Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Transfers from another Federal Aviation Administration Part 147 approved airframe and powerplant school must provide an official transcript and catalog for evaluation by the department.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the knowledge and skills to qualify for the General, Airframe and Powerplant portion of the Federal Aviation Administration Airframe and Powerplant Mechanics exam to include the written, oral, and practical tests.
- demonstrate the knowledge and skills to inspect, maintain, repair, and modify airframe structures.
- demonstrate the knowledge and skills to inspect, maintain, repair, and modify reciprocating and turbine engines.

Career Information

The department of Advanced Transportation Technology currently offers courses and/or certificate programs in Aeronautics, Flight Technology, and Non-Destructive Testing. This department focuses on new and emerging transportation related courses, as well as traditional training, which may lead directly to employment in local, state, and nationally recognized fields. Airframe and Powerplant Technicians are employed by major/regional airlines, certificated repair stations, fixed based operators, charter services, flight schools, corporate flight departments, agricultural aircraft operators, and helicopter operations, as well as government agencies and the military. Many experienced technicians opt to operate their own aviation businesses.

A.S. in Powerplant

Sacramento City College maintains a Federal Aviation Administration-approved two-year certificate and degree program organized to train students as airframe and powerplant maintenance technicians. The program is designed to meet the needs of students who desire technical training to qualify for the Federal Aviation tests.

The Aeronautics program is governed by regulations established by the Federal Aviation Administration. This Federal Aviation Administration (FAA) approved program fulfills all of the requirements under CFR 14, Federal Aviation Regulation part 147. Completion of this program will allow the graduate to test for the FAA Powerplant Mechanic Certificate.

Upon passing the appropriate Federal examinations, the graduate is certificated to work on aircraft as a technician and to supervise the work of others on such craft.

Program Costs: In addition to normal student expenses, minimal lab expenses may be incurred.

Recommended High School Preparation: English, mathematics, electronics, science, computers, and industrial shop.

Degree Requirements

Course Code	Course Title	Units
AERO 300	General Airframe and Powerplant	5
AERO 301	General Airframe and Powerplant Applications	3
AERO 302	Basic Electricity and Electrical Systems	5
AERO 303	Basic Electricity, Airframe and Powerplant Electrical Systems Applications	3
AERO 310	Powerplant Theory and Maintenance	5
AERO 311	Powerplant Theory and Maintenance Applications	3
AERO 312	Powerplant Systems and Components	5
AERO 313	Powerplant Systems and Components Applications	3
AERO 330	Advanced Airframe and Powerplant Inspection	5
AERO 332	Advanced Airframe and Powerplant Inspection Applications	3
AERO 309	Introduction to Aircraft Mechanics	2
Total Units:		**42**

The Powerplant Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Transfers from another Federal Aviation Administration Part 147 approved airframe and powerplant school must provide an official transcript and catalog for evaluation by the department.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the knowledge and skills to qualify for the General and Powerplant portion of the Federal Aviation Administration Powerplant Mechanics exams to include the written, oral, and practical tests.
- demonstrate the knowledge and skills to inspect, maintain, repair, and modify reciprocating and turbine engines.

Career Information

The department of Advanced Transportation Technology currently offers courses and/or certificate programs in Aeronautics, Flight Technology, and Non-Destructive Testing. This department focuses on new and emerging transportation related courses, as well as traditional training, which may lead directly to employment in local, state, and nationally recognized fields. Powerplant Technicians are employed by major/regional airlines, certificated repair stations, fixed based operators, charter services, flight schools, corporate flight departments, agricultural aircraft operators, and helicopter operations, as well as government agencies and the military. Many experienced technicians opt to operate their own aviation businesses.

Certificates of Achievement

Airframe Certificate

Sacramento City College maintains a Federal Aviation Administration-approved two-year program organized to train students as airframe and powerplant maintenance technicians. The program is designed to meet the needs of students who desire technical training to qualify for the Federal Aviation tests.

The Aeronautics program is governed by regulations established by the Federal Aviation Administration. This Federal Aviation Administration (FAA) approved program fulfills all of the requirements under CFR 14, Federal Aviation Regulation part 147. Completion of this program will allow the graduate to test for the FAA Airframe Mechanic Certificate.

Upon passing the appropriate Federal examinations, the graduate is certificated to work on aircraft as a technician and to supervise the work of others on such craft.

Program Costs: In addition to the normal student expenses, minimal lab expenses may be incurred.

Recommended High School Preparation: English, mathematics, electronics, science, computers, and industrial shop.

Certificate Requirements

Course Code	Course Title	Units
AERO 300	General Airframe and Powerplant	5
AERO 301	General Airframe and Powerplant Applications	3
AERO 302	Basic Electricity and Electrical Systems	5
AERO 303	Basic Electricity, Airframe and Powerplant Electrical Systems Applications	3
AERO 320	Airframe Systems and Components	5
AERO 321	Airframe Structures	5
AERO 322	Airframe Systems and Components Applications	3
AERO 323	Airframe Structures and Systems Applications	3
AERO 330	Advanced Airframe and Powerplant Inspection	5
AERO 331	Advanced Structures and Systems Inspection	5
AERO 332	Advanced Airframe and Powerplant Inspection Applications	3
AERO 333	Advanced Structures and Systems Inspection Applications	3
AERO 309	Introduction to Aircraft Mechanics	2
Total Units:		**50**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Transfers from another Federal Aviation Administration Part 147 approved airframe and powerplant school must provide an official transcript and catalog for evaluation by the department.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the knowledge and skills to qualify for the General and Airframe portion of the Federal Aviation Administration Airframe Exam to include the written, oral and practical tests.
- demonstrate the knowledge and skills to inspect, maintain, repair, and modify airframe structures.

Career Information

The department of Advanced Transportation Technology currently offers courses and/or certificate programs in Aeronautics, Flight Technology, and Non-Destructive Testing. This department focuses on new and emerging transportation related courses, as well as traditional training, which may lead directly to employment in local, state, and nationally recognized fields. Airframe Technicians are employed by major/regional airlines, certificated repair stations, fixed based operators, charter services, flight schools, corporate flight departments, agricultural aircraft operators, and helicopter operations, as well as government agencies and the military. Many experienced technicians opt to operate their own aviation businesses.

Combined Airframe and Powerplant Certificate

Sacramento City College maintains a Federal Aviation Administration-approved two-year program organized to train students as airframe and powerplant maintenance technicians. The program is designed to meet the needs of students who desire technical training to qualify for the Federal Aviation tests.

The Aeronautics program is governed by regulations established by the Federal Aviation Administration. This Federal Aviation Administration (FAA) approved program fulfills all the requirements under CFR 14, Federal Aviation Regulation part 147. Completion of this program will allow the graduate to test for the FAA Airframe & Powerplant Mechanic Certificate.

Upon passing the appropriate Federal examinations, the graduate is certificated to work on aircraft as a technician and to supervise the work of others on such craft.

Program Costs: In addition to the normal student expenses, minimal lab expenses may be incurred.

Recommended High School Preparation: English, mathematics, electronics, science, computers, and industrial shop.

Certificate Requirements

Course Code	Course Title	Units
AERO 300	General Airframe and Powerplant	5
AERO 301	General Airframe and Powerplant Applications	3
AERO 302	Basic Electricity and Electrical Systems	5
AERO 303	Basic Electricity, Airframe and Powerplant Electrical Systems Applications	3
AERO 310	Powerplant Theory and Maintenance	5
AERO 311	Powerplant Theory and Maintenance Applications	3
AERO 312	Powerplant Systems and Components	5
AERO 313	Powerplant Systems and Components Applications	3
AERO 320	Airframe Systems and Components	5
AERO 321	Airframe Structures	5
AERO 322	Airframe Systems and Components Applications	3
AERO 323	Airframe Structures and Systems Applications	3
AERO 330	Advanced Airframe and Powerplant Inspection	5
AERO 331	Advanced Structures and Systems Inspection	5
AERO 332	Advanced Airframe and Powerplant Inspection Applications	3
AERO 333	Advanced Structures and Systems Inspection Applications	3
AERO 309	Introduction to Aircraft Mechanics	2
Total Units:		**66**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Transfers from another Federal Aviation Administration Part 147 approved airframe and powerplant school must provide an official transcript and catalog for evaluation by the department.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the knowledge and skills to qualify for the General, Airframe and Powerplant portion of the Federal Aviation Administration Airframe and Powerplant mechanics exam to include the written, oral, and practical tests.
- demonstrate the knowledge and skills to inspect, maintain, repair, and modify airframe structures.
- demonstrate the knowledge and skills to inspect, maintain, repair, and modify reciprocating and turbine engines.

Career Information

The department of Advanced Transportation Technology currently offers courses and/or certificate programs in Aeronautics, Flight Technology, and Non-Destructive Testing. This department focuses on new and emerging transportation related courses, as well as traditional training, which may lead directly to employment in local, state, and nationally

recognized fields. Airframe and Powerplant Technicians are employed by major/regional airlines, certificated repair stations, fixed based operators, charter services, flight schools, corporate flight departments, agricultural aircraft operators, and helicopter operations, as well as government agencies and the military. Many experienced technicians opt to operate their own aviation businesses.

Powerplant Certificate

Sacramento City College maintains a Federal Aviation Administration-approved two-year certificate and degree program organized to train students as airframe and powerplant maintenance technicians. The program is designed to meet the needs of students who desire technical training to qualify for the Federal Aviation tests.

The Aeronautics program is governed by regulations established by the Federal Aviation Administration. This Federal Aviation Administration (FAA) approved program fulfills all of the requirements under CFR 14, Federal Aviation Regulation part 147. Completion of this program will allow the graduate to test for the FAA Powerplant Mechanic Certificate.

Upon passing the appropriate Federal examinations, the graduate is certificated to work on aircraft as a technician and to supervise the work of others on such craft.

Program Costs: In addition to normal student expenses, a minimal lab expense may be incurred.

Recommended High School Preparation: English, mathematics, electronics, science, computers, and industrial shop.

Certificate Requirements

Course Code	Course Title	Units
AERO 300	General Airframe and Powerplant	5
AERO 301	General Airframe and Powerplant Applications	3
AERO 302	Basic Electricity and Electrical Systems	5
AERO 303	Basic Electricity, Airframe and Powerplant Electrical Systems Applications	3
AERO 310	Powerplant Theory and Maintenance	5
AERO 311	Powerplant Theory and Maintenance Applications	3
AERO 312	Powerplant Systems and Components	5
AERO 313	Powerplant Systems and Components Applications	3
AERO 330	Advanced Airframe and Powerplant Inspection	5
AERO 332	Advanced Airframe and Powerplant Inspection Applications	3
AERO 309	Introduction to Aircraft Mechanics	2
Total Units:		**42**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Transfers from another Federal Aviation Administration Part 147 approved airframe and powerplant school must provide an official transcript and catalog for evaluation by the department.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the knowledge and skills to qualify for the General and Powerplant portion of the Federal Aviation Administration Powerplant Mechanics exam to include the written, oral, and practical tests.
- demonstrate the knowledge to inspect, maintain, repair, and modify reciprocating and turbine engines.

Career Information

The department of Advanced Transportation Technology currently offers courses and/or certificate programs in Aeronautics, Flight Technology, and Non-Destructive Testing. This department focuses on new and emerging transportation related courses, as well as traditional training, which may lead directly to employment in local, state, and nationally recognized fields. Powerplant Technicians are employed by major/regional airlines, certificated repair stations, fixed based operators, charter services, flight schools, corporate flight departments, agricultural aircraft operators, and helicopter operations, as well as government agencies and the military. Many experienced technicians opt to operate their own aviation businesses.

Aeronautics (AERO) Courses

AERO 200 Certificated Aircraft Mechanic Preparation

Units: 1 - 4
Hours: 18 - 72 hours LEC
Prerequisite: None.
Corequisite: AERO 300

This is a self-paced course in aeronautics tailored to individual student needs in cooperation with the Federal Aviation Administration (FAA). This course meets, in part, the certification requirements of Part 147 of the Federal Aviation Regulations covering Airframe and Powerplant Mechanics. The amount of credit awarded is based on the total number of hours completed (18 hours=1 unit). Credit is earned in one-unit increments over the four semesters. This course will prepare the student for oral, practical, and written portions of the general, powerplant, and airframe sections of the Federal Aviation Administration test.

AERO 300 General Airframe and Powerplant

Units: 5
Hours: 90 hours LEC

Prerequisite: AERO 309 with a grade of "C" or better
Advisory: Concurrent enrollment in AERO 301
Transferable: CSU
General Education: AA/AS Area II(b)

This course provides an introduction to sheet metal fabrication, aircraft drawings, fluid lines and fittings, materials and processes (including aircraft hardware identification, gas welding and precision measurement), and aviation math and physics, including theory of flight for fixed wing and rotary wing aircraft. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 301 General Airframe and Powerplant Applications

Units: 3
Hours: 180 hours LAB
Prerequisite: AERO 309 with a grade of "C" or better; Concurrent enrollment in AERO 300 or completion of AERO 300 with a grade of "C" or better.
Transferable: CSU

This course provides skills projects related to AERO 300 as required by the Federal Aviation Administration. Topics will include sheet metal repair, welding, and hardware identification. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 302 Basic Electricity and Electrical Systems

Units: 5
Hours: 90 hours LEC
Prerequisite: AERO 309 with a grade of "C" or better
Advisory: Concurrent enrollment in AERO 303
Transferable: CSU

This course provides electrical theory for airframe and powerplant electrical systems (circuits and schematics, ignition and electrical generating systems, instruments, batteries, and AC and DC circuit system components). Minimum attendance is mandated by the Federal Aviation Administration.

AERO 303 Basic Electricity, Airframe and Powerplant Electrical Systems Applications

Units: 3
Hours: 180 hours LAB
Prerequisite: AERO 309 with a grade of "C" or better; Concurrent enrollment in AERO 302 or completion of AERO 302 with a grade of "C" or better.
Transferable: CSU

This course provides development projects related to AERO 302 lectures as required by the Federal Aviation Administration to develop skills necessary for an Airframe and Powerplant Technician. Units of instruction include repair and maintenance techniques of airframe and powerplant electrical systems and cover ignition as well as electrical generating systems, instruments, batteries, and AC and DC circuits. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 309 Introduction to Aircraft Mechanics

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This introductory course covers the fundamental theories and practices required of a Federal Aviation Administration certificated Airframe and Powerplant Mechanic.

AERO 310 Powerplant Theory and Maintenance

Units: 5
Hours: 90 hours LEC
Prerequisite: AERO 309 with a grade of "C" or better
Advisory: Concurrent enrollment in AERO 311
Transferable: CSU

This course provides instruction in reciprocating and gas turbine engine theory, overhaul, inspection, testing, and operation. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 311 Powerplant Theory and Maintenance Applications

Units: 3
Hours: 180 hours LAB
Prerequisite: AERO 309 with a grade of "C" or better; Concurrent enrollment in AERO 310 or completion of AERO 310 with a grade of "C" or better.
Transferable: CSU

This course covers projects related to the AERO 310 lectures as required by the Federal Aviation Administration. These include familiarization and operation of equipment required when overhauling and testing gas turbine and reciprocating powerplants, operation and familiarization of gas turbine powerplant accessories, fire detection/protection systems, and operation of gas turbine powerplants in the test cell environment. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 312 Powerplant Systems and Components

Units: 5
Hours: 90 hours LEC
Prerequisite: AERO 309 with a grade of "C" or better
Advisory: Concurrent enrollment in AERO 313
Transferable: CSU

This course provides instruction in the theory of reciprocating and gas turbine engines and related accessories including cooling, ignition, propellers, governors, and fuel metering. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 313 Powerplant Systems and Components Applications

Units: 3
Hours: 180 hours LAB

Prerequisite: AERO 309 with a grade of "C" or better; Concurrent enrollment in AERO 312 or completion with a grade of "C" or better.
Transferable: CSU

This course provides skills development projects related to AERO 312 as required by the Federal Aviation Administration. Units of instruction include familiarization with and operation of test equipment required in overhauling reciprocating and turbine powerplant components and engine test cell operations. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 320 Airframe Systems and Components

Units: 5
Hours: 90 hours LEC
Prerequisite: AERO 309 with a grade of "C" or better
Corequisite: Concurrent enrollment in AERO 322
Transferable: CSU

This course provides instruction in the following aircraft airframe systems: fuel, hydraulic, pneumatic, position and warning, air conditioning, heating, oxygen, pressurization, ice and rain control, and fire protection and detection. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 321 Airframe Structures

Units: 5
Hours: 90 hours LEC
Prerequisite: AERO 309 with a grade of "C" or better
Corequisite: Concurrent enrollment in AERO 323
Transferable: CSU

This course provides instruction in aircraft sheet metal, fabric, dope, and paint processes, plastic, wood, fiberglass, honeycomb, composites, and laminated structures, assembly and rigging, and landing gear systems. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 322 Airframe Systems and Components Applications

Units: 3
Hours: 180 hours LAB
Prerequisite: AERO 309 with a grade of "C" or better
Corequisite: Concurrent enrollment in AERO 320
Transferable: CSU

This course provides skill development projects as required by the Federal Aviation Administration. The projects are related to the subject areas covered in AERO 320 and include familiarization, operation, overhaul, testing, and diagnosis of the components and systems. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 323 Airframe Structures and Systems Applications

Units: 3
Hours: 180 hours LAB
Prerequisite: AERO 309 with a grade of "C" or better
Corequisite: Concurrent enrollment in AERO 321
Transferable: CSU

This course provides projects related to the AERO 321 lectures as required by the Federal Aviation Administration to develop skills in inspecting, checking, diagnosing, servicing, and repairing the components and systems. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 330 Advanced Airframe and Powerplant Inspection

Units: 5
Hours: 90 hours LEC
Prerequisite: AERO 300, 301, 302, 303, 320, 321, 322, and 323 with grades of "C" or better.
Corequisite: Concurrent enrollment in AERO 332
Transferable: CSU

This course provides the theory of the following: Advanced Airframe and Powerplant mechanic privileges and limitations, aircraft and engine electrical systems, communication systems, engine electrical systems, navigation and autopilot systems, fluid lines, fittings, maintenance forms and records, maintenance publications, as well as weight and balance calculations. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 331 Advanced Structures and Systems Inspection

Units: 5
Hours: 90 hours LEC
Prerequisite: AERO 300, 301, 302, 303, 310, 311, 312, and 313 with grades of "C" or better.
Corequisite: Concurrent enrollment in AERO 333
Transferable: CSU

This course provides the theory of the following: Airframe system inspection, Powerplant system inspection, assembly and rigging processes, ground operation and servicing, cleaning and corrosion control, and aircraft instrument systems. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 332 Advanced Airframe and Powerplant Inspection Applications

Units: 3
Hours: 180 hours LAB
Prerequisite: AERO 300, 301, 302, 303, 320, 321, 322, and 323 with grades of "C" or better.
Corequisite: Concurrent enrollment in AERO 330
Transferable: CSU

This course provides development projects as required by the Federal Aviation Administration. The projects are in the same areas as the subject areas covered in the AERO 330 lectures and include familiarization with and operation of test equipment required for checking and testing the airframe and powerplant systems of airworthy aircraft. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 333 Advanced Structures and Systems Inspection Applications

Units: 3
Hours: 180 hours LAB
Prerequisite: AERO 300, 301, 302, 303, 310, 311, 312, and 313 with grades of "C" or better.

Corequisite: Concurrent enrollment in AERO 331
Transferable: CSU

This course provides development projects as required by the Federal Aviation Administration. The projects are in the same areas as the subject areas covered in the AERO 331 lectures and include familiarization with and operation of test equipment required for checking and testing the airframe structures and powerplant systems of airworthy aircraft. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 494 Topics in Aeronautics, Aviation Maintenance

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Transferable: CSU

This is a specialized course developed in conjunction with industry partners to address emerging industry training needs.

AERO 495 Independent Studies in Aeronautics

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This is an independent studies course in Aeronautics. Related projects will be assigned under the supervision of an Aeronautics faculty member and a selected industry partner from the local community.

AERO 499 Experimental Offering in Aeronautics

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is a specialized course developed in cooperation with industry to address emerging training needs in flight technology. This course may be taken no more than three times for credit provided there is no duplication of topics.

Nondestructive Testing (NDT) Courses

NDT 299 Experimental Offering in Nondestructive Testing

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

NDT 381 Magnetic Particle Inspection Level 1 and 2

Units: 2
Hours: 32 hours LEC; 12 hours LAB
Prerequisite: None.
Transferable: CSU

This Level I & II classroom training covers the basic principles of the magnetic particle nondestructive testing method that will allow students to identify defects in aerospace components using this application. This course covers the theoretical and practical aspects of this method and is designed to meet the training requirements of National Aerospace Standard (NAS) 410. This course provides both the initial training and the required recurrent training for NDT technicians.

NDT 382 Liquid Penetrant Inspection Level 1 and 2

Units: 2
Hours: 32 hours LEC; 12 hours LAB
Prerequisite: None.
Transferable: CSU

This Level I & II classroom training covers the basic principles of the liquid penetrant nondestructive testing method that will allow students to identify defects in aerospace components using this application. This course covers the theoretical and practical aspects of this method and is designed to meet the training requirements of National Aerospace Standard (NAS) 410.

NDT 383 Ultrasonic Inspection Level 1 and 2

Units: 4
Hours: 64 hours LEC; 24 hours LAB
Prerequisite: None.
Transferable: CSU

This Level I and II classroom training covers the basic principles of the ultrasonic nondestructive testing method that will allow students to identify defects in aerospace components using this application. This course covers the theoretical and practical aspects of this method and is designed to meet the training requirements of National Aerospace Standard (NAS) 410. Students who have successfully completed this course more than 36 months ago may repeat it for recertification.

NDT 384 Electromagnetic Inspection Level 1 and 2

Units: 4
Hours: 64 hours LEC; 24 hours LAB
Prerequisite: None.
Transferable: CSU

This Level I and II classroom training covers the basic principles of the electromagnetic nondestructive testing method that will allow students to identify defects in aerospace components using this application. This course covers the theoretical and practical aspects of this method and is designed to meet the training requirements of National Aerospace Standard (NAS) 410. This course provides both the initial training and the required recurrent training for NDT technicians.

NDT 499 Experimental Offering in Nondestructive Testing

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Allied Health

Allied Health educational programs seek to prepare competent allied health professionals and leaders for practice across multiple health care settings.

Professions that are often listed as "allied health" include many of the well-known non-nurse, non-physician health care providers such as: physical therapists, occupational therapists, respiratory therapists; nutritionists and dietitians, dental hygienists and dental assistants; EMTs, paramedics and health educators.

AH 110 - Medical Language for Health Providers

AH 110 - Medical Language for Health Providers will have a new number effective Summer 2021. The new number will be AH 311. The title of the course will remain the same. This change has been made so that it will be transferable to CSU. If you have already taken AH 110, you may not take AH 311.

Degrees and Certificates Offered

A.S. in Pre-Health Occupations

Community Health Care Worker Certificate

Healthcare Business Certificate

Pre-Health Occupations Certificate

Dean Rose Giordano Ph.D.

Department Coordinator Sue Hussey

Phone (916) 558-2550

Email SCC-HealthOccupations@scc.losrios.edu

Associate Degree

A.S. in Pre-Health Occupations

The Pre-Health Occupations Associate in Science degree offers an interdisciplinary approach of study for students interested in a variety of allied health careers. The degree will allow students to pursue a rigorous course of study before selecting the health occupation that best suits their career interests. With an emphasis on basic science and culturally competent patient care, the degree offered will prepare students to excel in a wide-range of health care fields. Students completing the degree will be prepared to enter programs for careers in nursing, dental hygiene or assisting, occupational therapy assisting, physical therapist assisting, and others. Students may also choose to complete this degree in preparation for transfer to a Health Sciences Baccalaureate degree program. Completion of the program does not guarantee enrollment in any health occupation program.

Degree Requirements

Course Code	Course Title	Units
AH 108	Introduction to Health Occupations (2)	0.5 - 2
or DAST 100	Introduction to Dental Assisting (1)	
or DHYG 100	Introduction to Dental Hygiene (0.5)	
or OTA 100	Introduction to Occupational Therapy (1)	
or PTA 100	Introduction to Physical Therapist Assistant (1.5)	
AH 301	Health Care in a Multicultural Society (3)	3
or ANTH 310	Cultural Anthropology (3)	
or ANTH 481	Honors Cultural Anthropology (3)	
or SOC 300	Introductory Sociology (3)	
or SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 480	Introductory Sociology - Honors (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
AH 311	Medical Language for Health-Care Providers	3
BIOL 100	Introduction to Concepts of Human Anatomy and Physiology (3)	3 - 10
or [BIOL 431	Anatomy and Physiology (5)	
and BIOL 430]	Anatomy and Physiology (5)	
BIOL 440	General Microbiology	4
CHEM 309	Integrated General, Organic, and Biological Chemistry (5)	5 - 10
or [CHEM 305	Introduction to Chemistry (5)	
and CHEM 306]	Introduction to Organic and Biological Chemistry (5)	
COMM 301	Introduction to Public Speaking (3)	3
or COMM 331	Group Discussion (3)	
ENGWR 300	College Composition (3)	3 - 4
or ESLW 340	Advanced Composition (4)	
or ENGWR 488	Honors College Composition and Research (4)	
FCS 324	Human Development: A Life Span (3)	3
or PSYC 370	Human Development: A Life Span (3)	
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
Total Units:		**33.5 - 48**

The Pre-Health Occupations Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- adhere to safety protocols and proper lab techniques.
- demonstrate professionalism in a range of interactions and settings.
- articulate career options and necessary educational pathways.
- demonstrate ability to read and understand basic medical terminology.
- demonstrate self-responsibility as part of an academic community and a health care team.
- list all eleven body systems and describe the structure and function of each system.
- receive feedback as a tool for personal and professional growth.
- describe the role that culture and diversity play in patient care.
- distinguish between subjective viewpoints and objective data.
- use qualitative and quantitative methods to interpret data.
- use evidence as a foundation for critical thinking and decision-making.
- describe the principles of nutrition and their effect on health.

Career Information

Upon completion students are prepared to enter a range of Allied Health and Nursing training programs. This may include training programs for professions such as: nursing, dental hygiene, physical therapist assistant, occupational therapy assistant, respiratory therapy, and radiology technician.

Certificates of Achievement

Community Health Care Worker Certificate

The Community Health Care Worker Certificate of Achievement consists of multi-disciplinary coursework to prepare individuals to work within the social service, public health, or health care workforce as Community Health Workers. This certificate program is designed to provide training in front-line public health care with an understanding of and connection to the communities served. It also provides training in facilitating patient access to health and social services to improve the quality and cultural competence of service delivery. Students will develop the skills to provide culturally appropriate health education and information, assist people in receiving the care they need, give informal counseling and guidance on health behaviors, and advocate for individuals and community health needs.

Certificate Requirements

Course Code	Course Title	Units
AH 106	Communication for Allied Health Careers	2
AH 301	Health Care in a Multicultural Society	3
CHW 101	Introduction to Community Health Work	1.5
CHW 103	U.S. Healthcare Systems and Third Party Payers	2
CHW 105	Community Health Resources	2
CHW 121	Social Determinants of Health	2
CHW 123	Prevention and Management of Chronic Conditions	2
SOC 375	Introduction to Community Development	3
SOC 382	Introduction to Casework in Social Services	3
SOC 385	Practicum in Sociology	1 -4
A minimum of 3 units from the following:		3
ADMJ 303	Substance Abuse: Effects on Body and Behavior (3)	
or PSYC 405	Substance Abuse: Effects on Body and Behavior (3)	
ADMJ 304	Juvenile Delinquency (3)	
ADMJ 340	Introduction to Correctional Services (3)	
AH 311	Medical Language for Health-Care Providers (3)	
ECE 312	Child Development (3)	
ECE 314	The Child, the Family and the Community (3)	
ECE 402	Infants with Atypical Development (3)	
ECE 415	Children's Health, Safety and Nutrition (3)	
ETHNS 300	Introduction to Ethnic Studies (3)	
SOC 301	Social Problems (3)	
or SOC 481	Social Problems - Honors (3)	
SOC 335	Sociology of Aging (3)	
or GERON 300	Sociology of Aging (3)	
SOC 344	Sociology of Women's Health (3)	
Total Units:		**24.5 - 27.5**

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Complete the online application.
- In the event there are more applicants than spaces available, students who meet the enrollment eligibility requirements will be entered into a random selection pool.
- The first 30 applicants identified through the random selection process will be selected for the program. Students must reapply each year. Students who have submitted complete and qualified applications in prior sequential years will receive entries in the random selection equal to the number of years applied. There is no waiting list.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- clarify roles, responsibilities, and scope of practice of Community Health Workers.
- investigate complex service delivery systems within the U.S. healthcare system and key legal responsibilities within the context of health service delivery systems.
- compile and define accepted terminology to describe findings, patterns, habits, and behaviors of clients.
- report and record abnormal findings, patterns, habits, and behaviors of clients for purpose of clinical documentation.
- recommend prevention methodologies that decrease the development of common diseases/disorders and reduce high-utilization of unnecessary healthcare services by applying culturally-appropriate and evidenced-based health education practices.
- identify conditions in which people are born, grow, work, live, and age and the wider set of forces and systems shaping the conditions of daily life.
- evaluate and inventory available community resources, including health and social services.
- demonstrate knowledge and proficiency with technology, including web-based applications, MS Office, and electronic health record systems.
- develop communication skills used with patients, community partners, and medical personnel.
- demonstrate the ability to advocate for individual and community health.
- incorporate professional and ethical boundaries, conflict resolution, self-care, time management, and skills for providing and receiving constructive feedback to assist in working within a professional setting.

Career Information

Common job titles for Community Health Care Workers include: patient/health navigator, case manager/case worker, health educator, community health educator, community outreach worker, and enrollment specialist. Community Health Care Workers (CHWs) serve as liaisons/intermediaries between health and social services and the community to promote, maintain and improve individual and community access to health care services; assist individuals and communities to adopt healthy behaviors; and improve the quality and cultural competence of services delivered. Common tasks/ responsibilities include: facilitating access to health services (scheduling appointments, completing provider forms, scheduling transportation); conducting outreach to community members; and providing community and health education.

Healthcare Business Certificate

The Health Business Certificate program is designed to provide students the opportunity to achieve a certificate that combines health science with basic administrative skills. The program prepares students for work in a variety of settings by providing a combination of necessary skills such as computer applications, keyboarding, business communication, and operating systems with basic principles of medical terminology, health systems, insurance, and project management. This program will prepare students to work at a number of entry-level positions in the insurance industry and health organizations, and serve as a springboard to other health professions.

Certificate Requirements

Course Code	Course Title	Units
CHW 103	U.S. Healthcare Systems and Third Party Payers	2
AH 106	Communication for Allied Health Careers	2
AH 108	Introduction to Health Occupations	2
AH 300	Introduction to Project Management for Healthcare	3
AH 311	Medical Language for Health-Care Providers	3
BUS 107	Keyboarding	1 -3
CISA 305	Beginning Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 323	Database Management using Microsoft Access	2
CISC 300	Computer Familiarization	1
WEXP 498	Work Experience in (Subject)	1 -4
Total Units:		**21 - 26**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the connection between all stakeholders using the fundamentals of project management in health systems.
- manage case files and insurance forms, including interpreting medical coding systems, medical documentation, and third-party payers.
- apply effective written and verbal communication methods using common business computer applications.
- evaluate various business circumstances and apply critical thinking and evidence-based research to formulate a resolution.
- identify and translate medical documents, reports, documentation, and legal considerations.
- compare and contrast the various US health care systems and third-party payers.
- identify and apply legal, ethical, and professional principles to common situations encountered in health care occupations.
- demonstrate knowledge and proficiency with technology, including web-based applications, Microsoft Office, and other systems.
- incorporate understanding and application of industry knowledge and theoretical concepts from work experience sites in the development and implementation of management projects.

Career Information

This program will train students in skills such as analysis of data, computer application processes, project management, and other health and business concepts. This will allow them to

meet specific health insurance and other health industry needs.

Pre-Health Occupations Certificate

The Pre-Health Occupations Certificate of Achievement consists of general education and prerequisite coursework for students preparing to enter nursing and allied health programs. Opportunities for career exploration are provided, as well as skill development in professionalism and cultural competency. The certificate program is designed to help students develop self-advocacy skills and a strong academic foundation necessary to study in a health occupations program. Upon successful completion of this coursework, students achieve recognition in the form of a certificate. Completion of the certificate does not guarantee enrollment in any health occupation programs.

Certificate Requirements

Course Code	Course Title	Units
AH 108	Introduction to Health Occupations (2)	0.5 - 2
or DAST 100	Introduction to Dental Assisting (1)	
or DHYG 100	Introduction to Dental Hygiene (0.5)	
or OTA 100	Introduction to Occupational Therapy (1)	
or PTA 100	Introduction to Physical Therapist Assistant (1.5)	
AH 301	Health Care in a Multicultural Society (3)	3
or ANTH 310	Cultural Anthropology (3)	
or ANTH 481	Honors Cultural Anthropology (3)	
or SOC 300	Introductory Sociology (3)	
or SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 480	Introductory Sociology - Honors (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
AH 311	Medical Language for Health-Care Providers	3
BIOL 100	Introduction to Concepts of Human Anatomy and Physiology (3)	3 - 10
or [BIOL 430	Anatomy and Physiology (5)	
and BIOL 431]	Anatomy and Physiology (5)	
ENGRD 315	Reading Across the Disciplines for Content Courses	0.5 -1
A minimum of 3 units from the following:		3
PSYC 370	Human Development: A Life Span (3)	
or FCS 324	Human Development: A Life Span (3)	
PSYC 480	Honors General Principles (3)	
or PSYC 300	General Principles (3)	
Total Units:		**13 - 22**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe career options in the healthcare field and their related educational pathways.
- demonstrate basic academic strategies for success in health programs.
- demonstrate ability to read and understand basic medical terminology.
- list all eleven body systems and describe the structure and function of each system.
- discuss the milestones in physical, cognitive, social, and emotional development of humans from conception through the lifespan and how these relate to healthcare practice.
- explain general principles of psychology and the psychological factors that influence health and illness in human conditions.
- examine cultural factors that influence communication, compliance, and outcomes in healthcare settings and develop strategies for cultural competency.
- recognize the professional behavior that is required of healthcare providers.

Career Information

The need for nursing and allied health providers has increased in the last several years. This program is designed for students contemplating a career in vocational or registered nursing, dental assisting, dental hygiene, occupational therapy assisting, or physical therapy assisting as well as other allied health careers.

Allied Health (AH) Courses

AH 100 Professional Ethics of Health Team Members

Units: 1
Hours: 18 hours LEC
Prerequisite: None.

This course is an introduction to professional and ethical behaviors of health team members. Students utilize a problem-solving process for analysis of common ethical dilemmas in health care. Emphasis is on integration of personal values, ethical principles, and legal regulations in ethical decision making.

AH 101 Introduction to Community Health Work

Units: 1.5
Hours: 27 hours LEC
Prerequisite: None.

Advisory: ENGRD 110 and LIBR 318 with grades of "C" or better

This course is designed to introduce students to the broad perspective of community health work by applying different concepts with emphasis on health promotion and primary health care. The course will examine different health promotion and disease prevention strategies that are used as primary health and population-based methods. Public health, home health care settings, and clinic/hospital-based services will be addressed. Emphasis is placed on family-wellness and illness in various community settings using examples of various communities and cultural settings throughout California. Aspects of community health are explored based on a demographic and epidemiological approach as well as building an environmental awareness and acquiring problem-solving and critical thinking skills.

AH 102 Health Education of Patients and Family

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: LIBR 307 with a grade of "C" or better

This course is an introduction to the role of the health care professional as an educator of patients/clients and health care staff. Students will explore the major teaching and learning theories, and how they are applied to health care practice. This course covers characteristics of the learner including determinants of learning, adult literacy, compliance and motivation, cultural influences, and learning styles. Techniques and strategies for teaching and learning are presented.

AH 103 U.S. Healthcare Systems and Third Party Payers

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and LTAT 300 with grades of "C" or better

The United States healthcare system is complex, organized by systems and programs by which health services are made available to the population and financed by government entities, private enterprises, or both. Various systems work on different aspects of providing care throughout the spectrum of health. This course provides an overview of the United States healthcare system as it has developed during the past century. Students are expected to achieve a basic understanding of the building blocks in anticipation of future careers and employment in the healthcare industry of the United States.

AH 104 Aging and its Implications for Health Care

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course introduces topics related to aging and their implication for health care providers. Emphasis is on socioeconomic and psychological aspects of aging, as well as normal age-related physiological changes. An overview of community resources that serve the older populations' health and dental needs is also included.

AH 105 Community Health Resources

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: CISC 300, LIBR 307, or LTAT 300 with a grade of "C" or better

This course is designed to introduce students to the broad perspective of community health resources in the Greater Sacramento service area. Through various lectures from representatives of area organizations, students will gather community resources to assist clients with addressing their health needs.

AH 106 Communication for Allied Health Careers

Units: 2
Hours: 36 hours LEC
Prerequisite: None.

This course is an introduction to communication as a therapeutic intervention for health care team members. Aspects of verbal and nonverbal communication that affect interactions with patients, family members, and other health care providers are explored. Cultural differences and the need to adjust communication approaches with sensitivity to ethnicity, religion, gender, age, sexuality, disability, and health status are included. The course requires both personal reflection and class participation in role-play activities.

AH 108 Introduction to Health Occupations

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: LIBR 307 with a grade of "C" or better

This course provides an introduction to the health care field and to the core foundational skills needed by all health care workers. Topics include types of health care delivery systems and careers, history and trends of health care, law and ethics pertaining to health care, personal qualities of health care workers, confidentiality and reportable incidents, and infection control and safety procedures for health care settings. Students will be introduced to research tools in the campus library and on the Internet. Students will use these tools to research health care careers and relate them to their own interests, values, and abilities. This course is open to all students wishing to explore the health care industry. A field trip to a local health care agency may be required.

AH 121 Social Determinants of Health

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and LTAT 300 with grades of "C" or better

Social determinants of health are the conditions in which people are born, grow, live, work, and age. These factors can all have an impact on health. This course will help students

understand health inequalities and how they are socially driven. Students will look at how health is affected by wider determinants and how they can make a difference as health professionals to close the health inequality gap. Through a range of case studies from high to low income countries, the student will gain a better understanding of social determinants of health, why health inequalities exist, and the role of health professionals and systems in reducing health inequality.

AH 123 Prevention and Management of Chronic Conditions

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Enrollment Limitation: Acceptance into the Community Health Worker program.
Advisory: ENGRD 110 and LTAT 300 with grades of "C" or better

Chronic diseases are on the rise in the United States, leaving healthcare payers with the challenge of covering care for patients with these expensive, long-term conditions. In this course, students will learn about the most common chronic diseases, their etiology, symptoms, risk factors, and treatment. Students will learn about community preventive services, programs, and other interventions aimed at supporting patients in the successful self-management of chronic conditions. Students will also be introduced to medical terminology with an overview of the structure of medical language and basic terms.

AH 126 Sensation and Daily Life: Strategies for Success

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
General Education: AA/AS Area III(b)

The world is filled with sensory experiences that can have both positive and negative effects on how we function. This applies to those who are in good health as well as to those who have some type of illness or impairment. With knowledge of one's sensory preferences and dislikes, individuals are able to better adapt to or modify situations and environments for improved performance in daily life. This course will enable students to identify their sensory profile and develop strategies they can use to optimize their performance in academic and life situations. In addition, this course will provide an overview of how others with illness or impairment may react to certain sensory experiences.

AH 290 Allied Health Skills and Applications

Units: 0.5
Hours: 27 hours LAB
Prerequisite: None.
Corequisite: Concurrent enrollment in an allied health, dental assisting or hygiene, nursing, occupational therapy assistant, or physical therapist assistant course.

This course offers individualized instructional modules designed to provide or improve skills in the various allied health courses. A partial list of skills may include the following: textbook comprehension, principles of learning and retention, note taking, annotating, discipline-based vocabulary, paraphrasing, reading graphics, test taking, spatial ability, proportionality, and problem solving. Registration is open through the fifth week of the semester. This course is graded Pass/No Pass.

AH 295 Independent Studies in Allied Health

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course involves an individual student or small group of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among the college, faculty member, and student(s).

AH 299 Experimental Offering in Allied Health

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

AH 300 Introduction to Project Management for Healthcare

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: BUS 107, CISA 305, CISA 315, CISA 323, and CISC 300 with grades of "C" or better
Transferable: CSU

This is an introductory course covering the following topics: fundamental project management terminology, skills, concepts and techniques, how the project management processes are linked together, and role of stakeholders and organizational influences on health care and other related projects.

AH 301 Health Care in a Multicultural Society

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better.
Transferable: CSU
General Education: AA/AS Area III(b); AA/AS Area VI

In all health professions and settings, culture is a factor that affects communication, compliance, and outcome. For best practice, cultural competency is a clinical skill that improves the relationship between patient and provider and is a skill desired by health care organizations. This course is designed to establish fundamental elements of cultural competency. Topics include cultural self-awareness and sensitivity, exploration of cultural beliefs about health and illness, health traditions and rituals, folk medicine, communication strategies, the use of language interpreters, and the influence of family roles.

AH 311 Medical Language for Health-Care Providers

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course is an orientation to medical language. Topics addressed include: basic structure of medical terms and their word-part components, term building and translation, spelling, pronunciation, and medical documentation formats. The course builds a medical vocabulary applicable to the specialties of medicine, the systems of the body, names of major diseases, and terms used in physical examination, diagnosis, and treatment. This course was formerly known as AH 110.

AH 312 Medical Terminology In Spanish

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

This one-unit course for allied health students and practicing health care professionals will cover basic Spanish medical terminology and conversational skills normally used within a hospital or clinical setting. Videos, readings, everyday clinical situations, and activities such as role play and improvisation will be used to introduce the grammar structures, colloquial terms, and specialized medical vocabulary that health care professionals need to communicate effectively with the growing Spanish-speaking population. Cultural issues important to successful interactions with the Spanish-speaking patient will also be discussed. Knowledge of Spanish is not a prerequisite.

AH 495 Independent Studies in Allied Health

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among college, faculty members, and students.

AH 499 Experimental Offering in Allied Health

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Anthropology

Anthropology is the study of the cultural, biological, and linguistic behavior of people, both past and present, from all parts of the globe. Anthropologists focus on the diversity of modern culture and language around the world, the biocultural evolution of our species through time, and the changes our species underwent from our first steps to the rich diversity of past and present human societies.

Anthropology is a holistic discipline, which means that anthropologists study all aspects of humanity. The field of Anthropology is broken up into four main subfields: Cultural Anthropology, Biological Anthropology, Archaeology, and Linguistics. Cultural Anthropology is the study of human customs, traditions, and social organization using the perspective of cultural relativism. Biological Anthropology is the study of human evolution, genetics, biological variation, and the fossil evidence of our earliest human ancestors. Archaeology is the study of the human past through the reconstruction of culture and behavior using material remains left by past people. Linguistic Anthropology studies the role of human language in social interaction and worldview.

Degrees Offered

A.A.-T. in Anthropology

A.A. in Anthropology

Dean Dennis Lee

Department Chairs Michael Grofe
Craig Davis

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.A.-T. in Anthropology

Anthropology is the study of humans. Anthropologists study our species throughout time, focusing on our diverse modern culture and cultural adaptations, our biological classification as a species, our inclusion in the Order Primates, and our species' past developments, including our first steps to our first civilizations. The goal of Anthropology is to study the similarities and differences in biological and cultural adaptations and features across the globe throughout our human history.

Anthropology is a holistic discipline, which means that anthropologists study all aspects of humans and our behavior. The field of Anthropology has been broken up into four main subfields: Cultural Anthropology, Biological Anthropology, Archaeology, and Linguistics. Cultural Anthropology is concerned with the study of human culture and its variations across time and space. Biological Anthropologists aim to study our species from a biological perspective - examining our DNA, our relationship to our closest animal relatives, the primates, and the fossil evidence of our earliest human ancestors. Archaeology is the study of our past, focused specifically on reconstructing past behavior by looking at objects used by past people. Linguistic Anthropologists study human language and communication.

The Associate in Arts in Anthropology for Transfer degree offers courses that satisfy lower division General Education requirements in both the physical and social sciences, providing students with a solid foundation in Anthropology as well as the standard prerequisites for upper division coursework leading to the baccalaureate degree. Students planning to transfer to a CSU with a major in Anthropology should consult the lower division requirements at the university they plan to attend.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis.

Degree Requirements

Course Code	Course Title	Units
ANTH 300	Biological Anthropology (3)	3
or ANTH 480	Honors Biological Anthropology (3)	
ANTH 310	Cultural Anthropology (3)	3
or ANTH 481	Honors Cultural Anthropology (3)	
ANTH 323	Introduction to Archaeology	3
A minimum of 6 units from the following:		6
ANTH 301	Biological Anthropology Laboratory (1)	
ANTH 331	The Anthropology of Religion (3)	
ANTH 334	Native Peoples of North America (3)	
ANTH 341	Introduction to Linguistics (3)	
A minimum of 3 units from the following:		3
ADMJ 332	Introduction to Forensic Anthropology (3)	
or ANTH 303	Introduction to Forensic Anthropology (3)	
ANTH 324	World Prehistory (3)	
ANTH 332	Native Peoples of California (3)	
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes (3)	
HIST 307	History of World Civilizations to 1500 (3)	
SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
or SOC 321	Race, Ethnicity and Inequality in the United States (3)	

Course Code	Course Title	Units
WGS 302	Global Women's Issues (3)	
or SOC 345	Global Women's Issues (3)	
Total Units:		**18**

The Associate in Arts in Anthropology for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain the scientific method and the relationship between scientific research and established knowledge.
- demonstrate knowledge of basic anthropological terminology and concepts.
- write essays explaining anthropological processes in clear and concise terms.
- reach and express logical conclusions drawn on anthropological data.
- demonstrate content knowledge in broad areas of anthropology, including evolution, culture, genetics, archaeology, and human evolution when completing essay, objective, and multiple choice exams.

Career Information

Anthropologists with baccalaureate or graduate degrees work as archaeological technicians or project directors for private, state or federal organizations, museum managers, forensic specialists in police departments and crime labs, primatologists and zoo curators, teachers, consultants or analysts for private, government or educational institutions or non-profit organizations.

Associate Degrees

A.A. in Anthropology

Anthropology is the study of the cultural, historical, biological, and linguistic behavior of people from all parts of the globe both in the past and the present. Anthropologists focus on our diverse modern culture and cultural adaptations, our biological classification as a species, our inclusion in the Order Primates, and our species' past developments, including our first steps to our first civilizations. Anthropology is a holistic discipline, which means that anthropologists study all aspects of humans and our behavior. The field of Anthropology has been broken up into four main subfields: Cultural Anthropology, Physical Anthropology, Archaeology, and Linguistics. Cultural Anthropology is concerned with the study of human culture and its variations across time and space. Physical Anthropologists aim to study our species from a biological perspective - examining our DNA, our relationship to our closest animal relatives, the primates, and the fossil evidence of our earliest human ancestors. Archaeology is the study of our past, focused specifically on reconstructing past behavior by looking at objects used by past people. Linguistic Anthropologists study human language and communication.

Recommended High School Preparation: Preparatory courses include history, English, biology, and foreign languages.

Degree Requirements

Course Code	Course Title	Units
ANTH 300	Biological Anthropology (3)	3
or ANTH 480	Honors Biological Anthropology (3)	
ANTH 301	Biological Anthropology Laboratory	1
ANTH 310	Cultural Anthropology (3)	3
or ANTH 481	Honors Cultural Anthropology (3)	
ANTH 323	Introduction to Archaeology (3)	3
or ANTH 324	World Prehistory (3)	
ANTH 341	Introduction to Linguistics	3
A minimum of 12 units from the following:		12
ADMJ 332	Introduction to Forensic Anthropology (3)	
or ANTH 303	Introduction to Forensic Anthropology (3)	
ANTH 325	Archaeology of Mesoamerica (3)	
ANTH 331	The Anthropology of Religion (3)	
ANTH 332	Native Peoples of California (3)	
ANTH 334	Native Peoples of North America (3)	
ARTH 304	Ancient Art (3)	
or ARTH 484	Ancient Art-Honors (3)	
ETHNS 320	The African American Experience (3)	
ETHNS 330	The Asian American Experience in America (3)	
ETHNS 340	Chicanos/Mexican Americans in the U.S. (3)	
ETHNS 351	Native American Culture and the Impact of Federal Policy (3)	
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes (3)	
GEOL 310	Historical Geology (3)	
HIST 307	History of World Civilizations to 1500 (3)	
HIST 360	History of African Civilizations (3)	
HIST 364	Asian Civilization (3)	
HIST 373	History of Mexico (3)	
HIST 380	History of the Middle East (3)	
SOC 310	Marriage and the Family (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
SOC 345	Global Women's Issues (3)	
or WGS 302	Global Women's Issues (3)	
Total Units:		**25**

The Anthropology Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain the scientific method and the relationship between scientific research and established knowledge.
- demonstrate knowledge of basic anthropological terminology and understanding major anthropological concepts.
- write essays explaining anthropological processes in clear and concise terms.
- reach and express logical conclusions drawn on anthropological data.
- demonstrate content knowledge in the broad areas of anthropology, including evolution, culture, genetics, archaeology, and human evolution when completing essay, objective, and multiple choice exams.

Career Information

The anthropology major is designed to prepare students for further study in anthropology leading to BA, MA, and/or PhD degrees. Anthropologists with graduate degrees teach at high schools, colleges, and graduate levels. Archaeologists manage cultural resources for state, federal, and private organizations. Physical anthropologists work in forensics and primatology. Both archaeologists and cultural anthropologists manage and coordinate museums and research facilities.

Anthropology (ANTH) Courses

ANTH 300 Biological Anthropology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
C-ID: C-ID ANTH 110

This course is an introduction to the science of biological anthropology. The topics to be covered will include: the field of anthropology; the scientific method; genetics and inheritance; natural selection; principles and mechanics of evolution; evidence of evolution; modern human variation; living primates; and the fossil evidence for human evolution.

ANTH 301 Biological Anthropology Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: ANTH 300 or 480 with a grade of "C" or better or concurrent enrollment in ANTH 300 or 480.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5B
C-ID: C-ID ANTH 115L

This introductory laboratory course is designed to familiarize students with the methods and materials of biological anthropology. Topics of significance covered in the course will include human osteology, forensic anthropology, genetics and evolutionary theory, biological classification, primatology, and the fossil evidence for the evolution of humans and their ancestors.

ANTH 303 Introduction to Forensic Anthropology

Same As: ADMJ 332
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ANTH 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area IV

This course is an overview of forensic anthropology, an applied field of physical anthropology. Forensic anthropology uses the analysis of human skeletal remains to answer medico-legal questions. This course emphasizes current techniques used in analysis of human skeletal remains, medico-legal procedures, and the role of the anthropologist in the investigative process. It examines the basics of bone biology, methods of skeletal analysis, and recognition of bone pathology and trauma. Students may earn credit for either ANTH 303 or ADMJ 332 but not for both.

ANTH 310 Cultural Anthropology

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 51 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
C-ID: C-ID ANTH 120

This course is an introduction to the variety of customs, traditions, and forms of social organization in societies around the world. The main goal of the course is to understand the importance of culture for both the individual and societies. Anthropological concepts that will be stressed include human culture and language, cultural relativism, holism, ethnocentrism, cross-cultural comparisons, field work, and theory. Topics include the nature of culture, subsistence methods, religion, linguistics, trade and economic systems, arts, kinship, marriage and family systems, technology, and change.

ANTH 315 Cultures in Focus

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 50 and ENGWR 59 or ESLW 310 and ESLR 310 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A

In this course, students will examine a variety of cultures with a focal emphasis on development problems. The historical and cultural context of development will be examined. The technological changes are examined as they impact ideological aspects of culture. Problems of overpopulation, underemployment, and famine will be studied.

ANTH 317 Cultures of Southeast Asia

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 100 or ESLW340 with a grade of “C” or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A

This course is an introduction to and comparison of the many cultures of Southeast Asia, including those in the countries of Vietnam, Myanmar, Thailand, Laos, Cambodia, Malaysia, Indonesia, and the Philippines. Cultural themes will include prehistory, gender, religion, the arts, cuisines, economies, social organization, colonialism, conflict, development, and migration. The course will include studies of Southeast Asian communities in the United States, the historical precedents of their arrivals, and some of the challenges that they face as minority cultures.

ANTH 323 Introduction to Archaeology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D1; IGETC Area 4A
C-ID: C-ID ANTH 150

This course is an introduction to the concepts, methods, and theoretical perspectives employed in the scientific study of archaeology. Emphasis will be placed on how data is retrieved from the archaeological record and how it can be used to address questions about the development and evolution of human social systems. Topics will include archaeological theory, survey and excavation methods, laboratory analysis, reconstructing past environments, and drawing conclusions about the past from archaeological data. This course will draw upon examples from the New World as well as archaeological examples worldwide. A field trip may be required. Research assignments will be assigned to students who cannot participate in a field trip.

ANTH 324 World Prehistory

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC (Effective Summer 2020-2021)
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course is an archaeological survey of World Prehistory from the emergence of human culture through the development of early civilizations. By examining the archaeological record of cultures in Africa, Europe, Asia, the Americas, and the Pacific Islands, students will explore the trajectory of human cultures through several key developments including early ice age adaptations, origins of agriculture, establishment of permanent settlements, the rise of complex social organization, and specialized technologies.

ANTH 325 Archaeology of Mesoamerica

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

This course is a survey of the anthropology and archaeology of Mesoamerica. It includes an anthropological perspective of the characteristics of past and present Mesoamerican cultures, including languages, writing systems, mythological and religious traditions, social and political organization, gender roles, economic systems, agriculture and astronomy. The course reviews history from the pre-Columbian period through colonization and the current era, including contemporary ethnography and issues of representation.
Students who took this course as ANTH 499 are not eligible to take this course.

ANTH 331 The Anthropology of Religion

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 51 with a grade of "C" or better
Transferable: CSU (formerly ANTH 330); UC (formerly ANTH 330)
General Education: AA/AS Area V(b); AA/AS Area I; AA/AS Area VI; CSU Area D1; IGETC Area 3B; IGETC Area 4A

This course surveys the forms and functions of supernatural belief systems and their associated rituals in various societies. Ethnographic examples are utilized in order to study beliefs and rituals within their sociocultural contexts. Comparisons are then drawn in order to understand the functions of religious and magical beliefs and rituals in human life.

ANTH 332 Native Peoples of California

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 51 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A

This course provides a study of the Native inhabitants of California from the prehistoric period to the present time, in addition to offering an introduction to the diversity and complexity of aboriginal California. It includes the environmental adaptation, material culture, social structure, ideology, and response to change. This course meets the SCC Multicultural Graduation Requirement for comparative examination of diverse culture groups in the U.S. In addition to gaining perspectives on the great diversity of aboriginal cultures in California, the student will examine the impact of the other Native and non-Native groups on those cultures.

ANTH 334 Native Peoples of North America

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 51 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A

This course is an introductory survey of traditional Native American societies. In this course students will gain an

understanding of the peoples and cultures of North America and evaluate native ecological adaptations, languages, social organizations, religion, mythologies and world view, and artistic representations. Perspectives on changes in traditional life and Native Americans' current social roles and statuses will be included.

ANTH 341 Introduction to Linguistics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
C-ID: C-ID ANTH 130

This course will involve the student in the exploration of language from an anthropological perspective, including the biological basis of language, the role of language in social interaction and world view, minority languages and dialects, bilingualism, literacy, the social motivation of language change, and the impact of language loss. The student will also be introduced to the analytical techniques of linguistics and the demonstration of their relevance to language in sociocultural issues.

ANTH 480 Honors Biological Anthropology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for admission to the Honors Program
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
C-ID: C-ID ANTH 110

This course is a seminar-style honors-level introduction to the science of biological anthropology. Topics will include: the field of anthropology; the scientific method; genetics and inheritance; natural selection; principles and mechanics of evolution; evidence of evolution; modern human variation; living primates; and the fossil evidence for human evolution. Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions. Credit may be earned for ANTH 480 or ANTH 300 but not for both.

ANTH 481 Honors Cultural Anthropology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
C-ID: C-ID ANTH 120

This course is a seminar-style introduction to the variety of customs, traditions, and forms of social organization in a variety of western and non-western societies. The main goal of the course is to understand the importance of culture for both the individual and societies. Anthropological concepts will be emphasized including human culture and language, cultural relativism, holism, ethnocentrism, cross-cultural comparisons, fieldwork, and theory. Topics include the nature of culture, subsistence methods, religion, linguistics, trade and economic systems, arts, kinship, marriage and family systems, technology, and change. This honors section uses an intensive instructional methodology designed to challenge motivated students.

Credit maybe earned for Biological Anthropology or Honors Biological Anthropology, but not for both.

ANTH 495 Independent Studies in Anthropology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course provides an opportunity to take a course in anthropology that covers topics that are not part of the regular curriculum. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ANTH 499 Experimental Offering in Anthropology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Art

The art program is designed for students interested in transferring to a four-year university or college, as well as students interested in furthering their skills in the visual arts. A wide range of courses are offered, providing students experiences in drawing, painting, sculpture, ceramics, and other media.

Degrees Offered

A.A.-T. in Studio Arts

A.A. in Art

A.A. in Interdisciplinary Studies: Arts and Humanities

Dean Patti Leonard

Department Chair Mark Boguski

Phone (916) 558-2488

Email boguskm@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Studio Arts

Completion of this degree will provide a foundation in studio art methods. Program offerings include course work in art history, 2-D, and 3-D studio practices.

The Associate in Arts in Studio Art for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
ART 300	Drawing and Composition I	3
ART 320	Design: Fundamentals	3
ART 370	Three Dimensional Design	3
[ARTH 304	Ancient Art (3)	3 - 6
and ARTH 306]	Medieval Art (3)	
or ARTH 332	Asian Art (3)	
ARTH 308	Renaissance Tradition in Art	3
ARTH 310	Modern Art	3
A minimum of 9 units from the following:		9
ART 302	Drawing and Composition II (3)	
or ART 304	Figure Drawing I (3)	
ART 301	Digital Drawing and Composition (3)	
ART 323	Design: Color Theory (3)	
ART 336	Watercolor Painting (3)	
or ART 334	Acrylic Painting (3)	
or ART 332	Oil Painting (3)	
ART 361	Printmaking: Survey (3)	
ART 372	Sculpture (3)	
ART 373	Intermediate Sculpture (3)	
ART 380	Techniques in Metal Design (3)	
ART 390	Ceramics (3)	
ART 400	Clay Sculpture (3)	
or ART 394	Wheel Thrown Ceramics, Beginning (3)	
or ART 391	Intermediate Ceramics (3)	
PHOTO 302	Beginning Digital Photography (3)	
Total Units:		**27 - 30**

The Associate in Arts in Studio Arts for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- differentiate major historical movements and developments in the visual arts.
- compose or design works of art that utilize a combination of technique, materials, visual ideas, and experiences.
- construct and document a personal portfolio of artworks for professional presentation.
- critique artworks using correct terminology related to concepts, materials, and techniques.
- evaluate form, image, and artistic creation of visual artworks from different traditions, cultures, and civilizations.

Career Information

Individuals who choose to transfer, earning four-year degrees in art in may be placed in the K-12 educational field as well as in museums and galleries as registrars, preparators, and

curatorial staff. Individuals may also work as fine artists, graphic artists or designers, illustrators, computer artists, and other commercial work such as freelance photography and the film industry. Advanced degrees in art may lead to careers as educators at the college or university level, art directors, art editors, curators, conservators, and restorers for museums and galleries.

Associate Degrees

A.A. in Art

The art program is designed for students interested in transferring to a four-year university or college, as well as students interested in furthering their skills in the visual arts. A wide range of courses are offered, providing students experiences in drawing, painting, sculpture, ceramics, and other media.

Degree Requirements

Course Code	Course Title	Units
ART 300	Drawing and Composition I	3
ART 320	Design: Fundamentals	3
ART 323	Design: Color Theory	3
ART 370	Three Dimensional Design	3
ART 390	Ceramics	3
A minimum of 6 units from the following:		6
ART 332	Oil Painting (3)	
ART 334	Acrylic Painting (3)	
ART 335	Acrylic Painting: Abstract (3)	
ART 336	Watercolor Painting (3)	
ART 361	Printmaking: Survey (3)	
ART 362	Printmaking: Intaglio (3)	
ART 363	Printmaking: Screen Printing (3)	
ART 364	Printmaking: Relief (3)	
ART 366	Printmaking: Lithography (3)	
A minimum of 3 units from the following:		3
ARTH 304	Ancient Art (3)	
ARTH 306	Medieval Art (3)	
ARTH 307	Italian Renaissance Art (3)	
ARTH 308	Renaissance Tradition in Art (3)	
ARTH 310	Modern Art (3)	
ARTH 312	Women in Art (3)	
ARTH 313	History of Western Architecture: Prehistoric to Renaissance (3)	
ARTH 314	History of Western Architecture: Renaissance to Modern (3)	
ARTH 318	History of American Art (3)	
ARTH 320	Multicultural Art in America (3)	
ARTH 324	Art of the Americas (3)	
ARTH 325	Native American Art History (3)	
ARTH 328	Survey of African Art (3)	
ARTH 332	Asian Art (3)	
ARTH 334	International Contemporary Art (3)	
ARTH 410	Early 20th Century Art (3)	
Total Units:		**24**

The Art Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate increased sensitivity to the visual world and its aesthetic traditions and assess such visual traditions.
- communicate experiences and ideas visually by designing and producing a variety of work in the visual arts.
- critique and analyze subject matter in the visual arts and demonstrate appropriate performance skills to treat that subject matter with a scope and intensity beyond the secondary level.
- compare, contrast, and assess the historical methods by which people have responded to themselves and the world around them.
- demonstrate an aesthetic understanding and the ability to make value judgments within the context of cultural and artistic creations.

Career Information

Degrees in art allow individuals to work in the educational field as teachers, as well as in museums, as restorers, and in galleries. Primarily, individuals with art degrees will work independently, producing works that are displayed in museums, galleries, and other exhibition spaces. Some artists will also work as graphic designers, illustrators, and in other commercial work.

A.A. in Interdisciplinary Studies: Arts and Humanities

The Interdisciplinary Studies degree is designed for students who seek a greater understanding of disciplines within the arts and humanities. This program is a good choice for students planning on transferring to the California State University or the University of California. The student will be able to satisfy general education requirements and focus on transferable course work that relates to a specific major and/or individual interest.

It is highly recommended that students consult a counselor to determine the classes within each area that will best prepare them for their intended transfer major.

Degree Requirements

Course Code	Course Title	Units
A minimum of 18 units from the following:		18[1]
ARABIC 401	Elementary Arabic (5)	
ARABIC 402	Elementary Arabic (5)	
ART 300	Drawing and Composition I (3)	
ART 301	Digital Drawing and Composition (3)	
ART 302	Drawing and Composition II (3)	
ART 304	Figure Drawing I (3)	
ART 305	Figure Drawing II (3)	
ART 307	Rendering (3)	
ART 310	Pen and Ink Drawing (3)	
ART 312	Portrait Drawing (3)	
ART 320	Design: Fundamentals (3)	
ART 322	Design: Image and Content (3)	
ART 323	Design: Color Theory (3)	
ART 324	Collage and Assemblage (3)	
ART 330	Mural Painting (3)	
ART 332	Oil Painting (3)	
ART 333	Intermediate Oil Painting (3)	
ART 334	Acrylic Painting (3)	
ART 335	Acrylic Painting: Abstract (3)	
ART 336	Watercolor Painting (3)	
ART 337	Intermediate Watercolor Painting (3)	
ART 361	Printmaking: Survey (3)	
ART 362	Printmaking: Intaglio (3)	
ART 363	Printmaking: Screen Printing (3)	
ART 364	Printmaking: Relief (3)	
ART 366	Printmaking: Lithography (3)	
ART 367	Book Arts (3)	
ART 370	Three Dimensional Design (3)	
ART 372	Sculpture (3)	
ART 373	Intermediate Sculpture (3)	
ART 374	Sculpture Lab (1 - 2)	
ART 375	Figure Sculpture (3)	
ART 380	Techniques in Metal Design (3)	
ART 381	Intermediate Techniques in Metal Design (3)	
ART 384	Metal Design: Emphasis In Casting (3)	
ART 385	Metal Arts Lab (1 - 2)	
ART 390	Ceramics (3)	
ART 391	Intermediate Ceramics (3)	
ART 392	Ceramic Lab (1 - 2)	
ART 394	Wheel Thrown Ceramics, Beginning (3)	
ART 395	Wheel Thrown Ceramics, Intermediate (3)	
ART 396	Wheel Thrown Ceramics, Advanced (3)	
ART 400	Clay Sculpture (3)	
ART 404	Intermediate Clay Sculpture (3)	
ART 440	Artists' Materials and Techniques (3)	
ART 443	Art Gallery Operations (3)	
ART 445	Art Gallery Operations (3)	
ART 446	Portfolio Preparation (3)	
ART 494	Topics in Art (0.5 - 4)	
ART 495	Independent Studies in Art (1 - 3)	
ART 498	Work Experience in Art (0.5 - 4)	
ARTH 300	Art Appreciation (3)	
ARTH 304	Ancient Art (3)	
ARTH 306	Medieval Art (3)	
ARTH 307	Italian Renaissance Art (3)	
ARTH 308	Renaissance Tradition in Art (3)	
ARTH 310	Modern Art (3)	
ARTH 312	Women in Art (3)	
ARTH 313	History of Western Architecture: Prehistoric to Renaissance (3)	
ARTH 314	History of Western Architecture: Renaissance to Modern (3)	
ARTH 318	History of American Art (3)	
ARTH 320	Multicultural Art in America (3)	
ARTH 324	Art of the Americas (3)	
ARTH 325	Native American Art History (3)	
ARTH 328	Survey of African Art (3)	
ARTH 332	Asian Art (3)	
ARTH 334	International Contemporary Art (3)	
ARTH 410	Early 20th Century Art (3)	
ARTH 484	Ancient Art-Honors (3)	
ARTH 486	Medieval Art-Honors (3)	
ARTH 487	Renaissance Art-Honors (3)	
ARTH 488	Modern Art--Honors (3)	
ARTH 494	Topics in Art History (0.5 - 4)	
ARTH 495	Independent Studies in Art History (1 - 3)	
ARTH 499	Experimental Offering in Art History (0.5 - 4)	
CANT 401	Elementary Cantonese (4)	
CANT 402	Elementary Cantonese (4)	
CANT 411	Intermediate Cantonese (4)	
CANT 412	Intermediate Cantonese (4)	
COMM 305	Oral Interpretation (3)	
DEAF 310	American Sign Language I (4)	
DEAF 312	American Sign Language II (4)	
DEAF 314	American Sign Language III (4)	
DEAF 316	American Sign Language IV (4)	
ENGCW 400	Creative Writing (3)	
ENGCW 410	Fiction Writing Workshop (3)	
ENGCW 420	Poetry Writing Workshop (3)	
ENGCW 430	Creative Non-Fiction Writing Workshop (3)	
ENGLT 301	Introduction to Literature in Hip-Hop Culture (3)	

Course Code	Course Title	Units
ENGLT 303	Introduction to the Short Story (3)	
ENGLT 310	English Literature I (3)	
ENGLT 311	English Literature II (3)	
ENGLT 317	The English Bible as Literature (3)	
ENGLT 320	American Literature I (3)	
ENGLT 321	American Literature II (3)	
ENGLT 327	Literature of California (3)	
ENGLT 328	Literature and The Environment (3)	
ENGLT 331	African-American Literature (1730-1930) (3)	
ENGLT 332	African-American Literature (1930-Present) (3)	
ENGLT 334	Asian-American Literature (3)	
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	
ENGLT 360	Women in Literature (3)	
ENGLT 365	Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370	Children and Literature (3)	
ENGLT 380	Introduction to Shakespeare (3)	
ENGLT 392	Science Fiction and Fantasy (3)	
ENGLT 400	Introduction to Film (3)	
ENGLT 401	Women in Film and Literature (3)	
ENGLT 403	Film Adaptations (3)	
ENGLT 404	Documentary Film Studies (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
ENGLT 494	Topics in Literature (3)	
ENGLT 495	Independent Studies in Literature (1 - 3)	
ENGLT 499	Experimental Offering in Literature (0.5 - 4)	
ENGWR 301	College Composition and Literature (3)	
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature (4)	
FREN 401	Elementary French (4)	
FREN 402	Elementary French (4)	
FREN 411	Intermediate French (4)	
FREN 412	Intermediate French (4)	
GREEK 401	Elementary Modern Standard Greek (4)	
GREEK 402	Elementary Modern Standard Greek (4)	
HIST 300	History of Western Civilization (3)	
HIST 302	History of Western Civilization (3)	
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HUM 300	Classical Humanities (3)	
HUM 310	Modern Humanities (3)	
HUM 332	American Humanities (3)	

Course Code	Course Title	Units
HUM 352	Religious Themes in Western Art, Literature and Music (3)	
ITAL 401	Elementary Italian (4)	
ITAL 402	Elementary Italian (4)	
JAPAN 401	Elementary Japanese (4)	
JAPAN 402	Elementary Japanese (4)	
JAPAN 411	Intermediate Japanese (4)	
JAPAN 412	Intermediate Japanese (4)	
KOREAN 401	Elementary Korean (4)	
KOREAN 402	Elementary Korean (4)	
MAND 401	Elementary Mandarin (4)	
MAND 402	Elementary Mandarin (4)	
MAND 411	Intermediate Mandarin (4)	
MAND 412	Intermediate Mandarin (4)	
MUFHL 305	Music Appreciation (3)	
MUFHL 309	Introduction to American Popular Music (3)	
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 315	Jazz History (3)	
MUFHL 330	World Music (3)	
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 345	Beginning Piano I (1 - 2)	
MUIVI 346	Beginning Piano II (1 - 2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 357	Advanced Piano I (1 - 2)	
MUIVI 358	Advanced Piano II (1 - 2)	
MUIVI 371	Intermediate Guitar (2)	
MUIVI 372	Advanced Guitar (2)	
MUIVI 373	Popular Electric Bass Styles I (1)	
MUIVI 374	Popular Electric Bass Styles II (1)	
MUIVI 375	Popular Electric Guitar Styles I (1)	
MUIVI 377	Popular Electric Guitar Styles II (1)	
MUIVI 380	Improvisation Workshop I (2)	
MUIVI 381	Improvisation Workshop II (2)	
MUIVI 382	Improvisation Workshop III (2)	
MUIVI 452	World Drumming (1)	
MUIVI 454	Indian Classical Fusion Improvisation (1)	
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
PHIL 300	Introduction to Philosophy (3)	
PHIL 306	Environmental Philosophy (3)	
PHIL 310	Introduction to Ethics (3)	
PHIL 330	History of Classical Philosophy (3)	

Course Code	Course Title	Units
PHIL 331	History of Modern Philosophy (3)	
PHIL 338	Contemporary Philosophy (3)	
PHIL 352	Introduction to World Religions (3)	
PHIL 368	Law, Justice, and Punishment (3)	
PRSIAN 401	Elementary Persian (4)	
PRSIAN 402	Elementary Persian (4)	
PNJABI 401	Elementary Punjabi (4)	
PNJABI 402	Elementary Punjabi (4)	
RUSS 401	Elementary Russian (4)	
RUSS 402	Elementary Russian (4)	
RUSS 411	Intermediate Russian (4)	
RUSS 412	Intermediate Russian (4)	
SPAN 401	Elementary Spanish (4)	
SPAN 402	Elementary Spanish (4)	
SPAN 411	Intermediate Spanish (4)	
SPAN 412	Intermediate Spanish (4)	
TA 300	Introduction to the Theatre (3)	
TA 302	History and Theory of the Theatre I (3)	
TA 303	History and Theory of the Theatre II (3)	
TA 308	Diversity in American Theatre (3)	
TA 342	Introduction to Acting (3)	
TA 350	Theory and Techniques of Acting I (3)	
TA 351	Theory and Techniques of Acting II (3)	
TAFILM 300	Introduction to Film (3)	
TAFILM 302	History of Film (3)	
TAFILM 303	History of Film: 1880's through 1950's (3)	
TAFILM 304	History of Film: 1950's to Present (3)	
TAFILM 320	Cinema Genres (3)	
TAFILM 330	Film Making (3)	
TAFILM 360	Screenwriting (3)	
TGLG 401	Elementary Tagalog (4)	
TGLG 402	Elementary Tagalog (4)	
VIET 401	Elementary Vietnamese (4)	
VIET 402	Elementary Vietnamese (4)	
Total Units:		**18**

[1]Select courses from at least three areas.

The Interdisciplinary Studies: Arts and Humanities Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation and expression.

Career Information

Students who complete this degree pattern can find career opportunities in the growing film and entertainment industries; in education; in the design and fabrication industries, and as an independent contractor concentrating in the area of their study.

Art (ART) Courses

ART 300 Drawing and Composition I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Drawing Fundamentals
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1
C-ID: C-ID ARTS 110

This course introduces students to the fundamentals of drawing, with an emphasis on direct observation. Both historical and contemporary drawing practice will be explored. This course is a basic requirement for all art students and recommended for those students interested in any visual field. A field trip is required. Students are required to purchase supplies needed for the course at a cost between $75-100. Additionally, students will need to pay a $5 lab fee for supplies that will be distributed and available in class.

ART 301 Digital Drawing and Composition

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Drawing Fundamentals
Prerequisite: ART 300 with a grade of "C" or better
Advisory: DDSN 331 with a grade of "C" or better
Transferable: CSU; UC

This course is designed to address the traditional qualities of creative drawing and the unique properties of drawings produced using digital technology. The course includes problems in observation and expression and the translating of these experiences into graphic terms by exploration of gesture, line, texture, shape, volume, space, light, and shadow. Students are required to purchase a digital memory device with a capacity of at least 4G, a sketchbook, and a few other supplies as requested by the instructor. These supplies will cost less than $100.

ART 302 Drawing and Composition II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Drawing Fundamentals
Prerequisite: ART 300 with a grade of "C" or better
Transferable: CSU; UC
C-ID: C-ID ARTS 205

This course expands on the drawing skills presented in ART 300 and covers more complex problems in observation, personal expression, and the formal exploration of composition. Students investigate subject, form, and content through color

and the use of materials and techniques. A field trip is required. Materials may cost from $50-$75.

ART 304 Figure Drawing I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Figure Studies
Prerequisite: ART 300 with a grade of "C" or better
Transferable: CSU; UC
C-ID: C-ID ARTS 200

This course offers the study of the human figure by analyzing, drawing, and composing its structural elements in a representational manner with respect to line, tone, shape, and color. Models draped and undraped will be used as subjects. A variety of media will be introduced in the exploration of drawing of the human form. A field trip to a local gallery is required. Students need approximately $100 of art supplies for projects as required by the individual instructor.

ART 305 Figure Drawing II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Figure Studies
Prerequisite: ART 304 with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area C1

This is a combined lecture and lab course where the human figure is studied directly and in historical context. Students will study the structure, proportion, and relationship of the undraped or draped human figure to compositional space and color. Students will study great works of figurative-based art and will practice subjective responses to a multitude of aesthetic theories. A field trip to an art museum or gallery is required for this course. Students need approximately $100 of art supplies for projects as required by the individual instructor.

ART 307 Rendering

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Applied Drawing
Prerequisite: ART 300 with a grade of "C" or better
Transferable: CSU; UC

This course covers drawing and painting techniques that result in the accurate representation of diverse subject matter. A field trip is required. The cost of materials will be between $100 and $150.

ART 310 Pen and Ink Drawing

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Applied Drawing
Prerequisite: None.
Advisory: ART 300 with a grade of "C" or better or equivalent.
Transferable: CSU; UC

This course emphasizes the fine art of black and white line and mass drawing using a variety of pen and ink, brush and ink techniques, and materials. Topics may include: compositional and pictorial elements using line, light, space, texture, and value. This course is intended for those interested in fine art, illustration and graphic design and is not restricted to art majors. A field trip is required. Students are required to purchase supplies for this course at a cost of between $70.00 and 90.00.

ART 312 Portrait Drawing

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Figure Studies
Prerequisite: ART 300 with a grade of "C" or better
Transferable: CSU; UC

This course is an introduction to and exploration of the human image as the subject of art. Emphasis is on developing the skills needed to portray specific individuals, rather than a generalized image of people. This is primarily a practice course including elements of the history and traditions of portraiture. A field trip to an art gallery or museum is required. Approximately $100 of art materials as required by the instructor.

ART 313 Portrait Drawing: Abstract

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Figure Studies
Prerequisite: ART 300 with a grade of "C" or better
Transferable: CSU; UC

This course gives portrait drawing students an opportunity to focus on abstraction and expressive ways of representing the human face. Emphasis is on the human image as subject and content. Students will be working within the context of established contemporary portraiture practices and techniques. A field trip to an art gallery, museum, and/or artist's studio is required. Approximately $100 of art materials as required by the instructor.

ART 320 Design: Fundamentals

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1
C-ID: C-ID ARTS 100

This course is an introduction to understanding the underlying structure of all two-dimensional art forms, from graphic design to painting. Students will acquire greater visual literacy and acumen as they examine the elements of art (line, shape, tone, space, color and texture) and the principles of their organization and composition in works of art/design. Historic and contemporary examples of art/design will also be studied within the constructs of students' projects. This course is a basic requirement for all art students and a great option for students of art history and graphic communications. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip to an art museum or gallery is required.

ART 322 Design: Image and Content

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ART 300 and 320 with grades of "C" or better
Transferable: CSU; UC

This course involves the further study of the formal elements of line, shape, tone, and color and theories of their organization and composition. Emphasis is on exploring as a cohort (through serious critique), the expressive aspect of subject and content and the influence of materials and techniques on form. A variety of materials will be used throughout the semester. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip to a museum or gallery is required.

ART 323 Design: Color Theory

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
C-ID: C-ID ARTS 270

This course covers studio problems in the use and understanding of color and its application to works of art. This course is appropriate for a variety of color-sensitive classes or fields of interest. Emphasis is on color relationships, color interactions, and color mixing. Color is explored from an objective (optical) as well as a subjective (interpretative) point of view. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip is required.

ART 324 Collage and Assemblage

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ART 320
Transferable: CSU
General Education: CSU Area C1

This course investigates methods of creating a dimensional surface while using a variety of found and constructed materials in the form of collage and assemblage. Surfaces vary in the degree of dimensionality, from two-dimensional, low-relief, high-relief, and fully three-dimensional. This course investigates the use of textures and ways of altering surfaces using a variety of techniques, materials, and supports. Students will create an object-archive from which to compose the collages and assemblages for this course. Materials contained in the object-archive may include but are not limited to hand painted papers, patterned papers, textured papers and fabrics, low-relief objects, and found-objects, as well as printed imagery from a variety of sources. Learning to apply rigorous aesthetic standards to collage and assemblage assignments is a fundamental part of this course. Developing a personal visual language and style is also emphasized. The on-going application of sound design principles is a primary goal of each lesson contained in this course. Collage and assemblage use a mixed-media approach to the construction of projects and assignments. One field trip to an art gallery and/or museums is required. There may be an admission fee of approximately $20.00 to a museum. If a student is unable to attend the field trip, an alternate activity will be provided. The costs for materials will vary depending on the supplies students may already have. Costs for materials may range from $70 to $100. A list of supplies or materials will be discussed and provided during the first class meeting.

ART 330 Mural Painting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Painting
Prerequisite: ART 300 and 320 with grades of "C" or better
Transferable: CSU; UC

This course is a comparative survey of the use of mural painting as an interactive, public art form throughout the world and across time. This course covers the process of creating a mural painting by analyzing a site, researching, planning, and executing murals in public spaces, and working collaboratively with others. Field trips are required to study existing murals and to execute the work on location if applicable. The cost of materials for this course is approximately $75 per student (for their own personal brushes and art supplies) + an additional $30 lab fee.

ART 332 Oil Painting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Painting
Prerequisite: ART 300 with a grade of "C" or better
Advisory: ART 320 with a grade of "C" or better
Transferable: CSU; UC

This course is an introduction to the medium and materials used in oil painting. Along with the methods and traditions of painting images, color, pattern, line, texture, light, space, style and techniques, and their application in both historical and contemporary works are thoroughly investigated. Students are required to purchase supplies for this course at a cost of between $120-150.

ART 333 Intermediate Oil Painting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Painting
Prerequisite: ART 332 with a grade of "C" or better
Advisory: ART 320 and 323 with a grade of "C" or better.
Transferable: CSU; UC

This course is a continuation of the examination of painting using oil-based paints. It concentrates on the further development of traditional techniques with specific investigations of theoretical concepts and personal subjects and techniques. It also continues the development of written descriptive and analytical skills based on direct observation of existing works in art galleries and museums. A field trip to an art museum, gallery or artist studio is required. Should a student not be able to participate in the class field trip, an alternative assignment will be offered. The cost of materials for this course is between $100 and $150.

ART 334 Acrylic Painting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Painting
Prerequisite: ART 300 with a grade of "C" or better
Advisory: ART 320 and 323 with grades of "C" or better.
Transferable: CSU; UC

This course is an introduction to the medium and techniques used in acrylic painting. Topics include a historical development of acrylic as a painting medium, techniques used in acrylic painting, and media used in acrylic painting. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip is required.

ART 335 Acrylic Painting: Abstract

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Painting
Prerequisite: None.
Advisory: ART 334 with a grade of "C" or better; ART 300, 320, and 323 with grades of "C" or better.
Transferable: CSU; UC

This course is an introduction to the mediums and materials used in acrylic painting with an emphasis on abstract subject matter, style, and content. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip is required.

ART 336 Watercolor Painting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Painting
Prerequisite: None.
Advisory: ART 300 and ART 320 with grades of "C" or better.
Transferable: CSU; UC

This course is an introduction to the medium and materials used in watercolor painting. Included is the analysis of composition, color, pattern, light, and space. Emphasis placed on individual development of imagery, concept and technical skill. A field trip to a gallery or museum is required. Students are required to purchase supplies needed for the course at a cost of between $90 - 120.

ART 337 Intermediate Watercolor Painting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Painting
Prerequisite: ART 336 with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area C1

This is an intermediate watercolor course. Included is an in-depth study of contemporary methods and techniques in watercolor. Emphasis placed on individual development of imagery, concept and technical skill. A field trip to a museum or gallery is required. Students are required to purchase supplies needed for the course at a cost of between $95 - $125.

ART 361 Printmaking: Survey

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Printmaking
Prerequisite: None.
Transferable: CSU; UC
C-ID: C-ID ARTS 220

This course is an introduction to fine art printmaking processes. Students explore a variety of print methods such as woodcut, etching, screen printing, and photographic printmaking. This course has an additional lab fee. A field trip to a gallery or museum is required. Material may cost from $40-$60.

ART 362 Printmaking: Intaglio

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Printmaking
Prerequisite: None.
Transferable: CSU; UC

This is a beginning printmaking course that studies the techniques of Intaglio processes including etching, aquatint, drypoint, engraving, and/or mezzotint. A field trip to a gallery or museum is required. Materials may cost from $40-$65.

ART 363 Printmaking: Screen Printing

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Printmaking
Prerequisite: None.
Transferable: CSU; UC

This course is an introduction to the process of fine art screen printing. Techniques and methods include imagery development, hand cut stencils, the use of photographic emulsion, multiple color registration, and alternative printing. This course has an additional lab fee. A field trip to a gallery or museum is required. Materials may cost from $40-$65.

ART 364 Printmaking: Relief

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Printmaking
Prerequisite: None.
Transferable: CSU; UC

This course is an introduction to relief printing techniques primarily from wood. Emphasis placed on individual development of imagery, concept and technical skill. Processes will include single and multiple block printing including reduction printing. This course has an additional lab fee. A field trip to a gallery or museum is required. Materials may cost from $50.00-$75.00.

ART 366 Printmaking: Lithography

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Printmaking
Prerequisite: None.
Transferable: CSU

This course is an introduction to the basic techniques of stone and aluminum plate lithography. Emphasis placed on individual development of imagery, concept and technical skill. Processes will include black and white and multiple color printing from stone, photo-lithographic plates and aluminum plates. This course has an additional lab fee. A field trip to a gallery or museum is required. Materials may cost from $60-$75.

ART 367 Book Arts

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course is an introduction to the studio theory and practice of books arts. Students will learn the process of basic bookbinding, while developing understanding of the artist's book as concept. Book forms may include altered books, memory books, folded, stab, sewn bindings, sculptural boxes, and portfolios. Also covered is the history of traditional and contemporary books and manuscripts. A field trip to a gallery or museum is required. This course has an additional lab fee. Students are required to purchase supplies needed for the course at a cost of between $50-$75.

ART 370 Three Dimensional Design

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 101; with a grade of "C" or better.
Transferable: CSU; UC
General Education: CSU Area C1
C-ID: C-ID ARTS 101

This foundation course is an introduction to sculptural composition. Instruction will be provided in construction of line, plane, and form in a variety of media in conjunction with analysis of historical and contemporary examples of sculpture. Visual and verbal vocabulary and problem solving skills are developed in order to express ideas and enhance projects. One field trip to a museum or gallery in the Bay Area will be required. There is a $20 materials fee associated with this class. Students are required to purchase supplies needed for the course at a cost of between $100-150.

ART 372 Sculpture

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ART 370 with a grade of "C" or better; or portfolio review for skills in basic sculpture.
Transferable: CSU; UC
C-ID: C-ID ARTS 240

This course is meant to follow ART 370, focusing on complex sculptural methods and ideas. Students will learn additional technical skills and be introduced to emerging fabrication technologies. Projects may include woodworking, welding, casting, assemblage, laser cutting, and kinetic sculpting methods. Students will develop a visual and verbal vocabulary and problem-solving skills to enable ideas and enhance projects. This course will highlight historical and cultural issues relating to art and design, encouraging the students' own conceptual development. One field trip to a museum or gallery in the Bay Area will be required. There is a $25 materials fee associated with this class. Students are required to purchase supplies needed for the course at a cost of between $100-200.

ART 373 Intermediate Sculpture

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Sculpture
Prerequisite: ART 370 and 372 with grades of "C" or better
Transferable: CSU; UC

This course is meant to follow ART 372, Sculpture, continuing the practice of more complex sculptural methods and ideas. Curriculum will include advanced practice in the expressive use of form in space, using a variety of media including plaster, wood, metal, found objects, and other materials. The course stresses creative effort, development of individual expression, new ideas, and knowledge of technical processes. Students will learn to use historical and contemporary approaches in developing content and have the opportunity to develop their own artist’s statement and a simple portfolio-based website. One field trip to a museum or gallery in the Bay Area will be required. There is a $25 materials fee associated with this class. Students are required to purchase supplies needed for the course at a cost of between $100-200.

ART 374 Sculpture Lab

Units: 1 - 2
Hours: 54 - 108 hours LAB
Course Family: Sculpture
Prerequisite: ART 373 with a grade of "C" or better
Transferable: CSU

This course offers laboratory experience to assist in completion of complex sculpture projects. The course focuses on the development of a personal creative vision, furthering technical skills, and complex problem-solving. Students are required to purchase supplies needed for the course at a cost of between $50-150.

ART 375 Figure Sculpture

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Sculpture
Prerequisite: ART 300 with a grade of "C" or better
Advisory: ART 304 and ART 370 with grades of "C" or better.
Transferable: CSU; UC

This course introduces figure sculpture, using the live nude model as a reference. It will develop an understanding of the human form as it relates to both modern and traditional sculpture. These concepts will be developed by making studio projects using a variety of sculpture materials. The projects will combine a new understanding of human form with imagination, for a more complete expression of technique and creativity. A field trip to a museum or gallery in the Bay Area is required. There is a $25 materials fee associated with this course. Students are required to purchase needed for the course at a cost of between $100-150.

ART 380 Techniques in Metal Design

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Small Metal Arts
Prerequisite: None.
Transferable: CSU
General Education: CSU Area C1

This course explores individual research and practice in small metals working in two and three dimensional forms. The elements of metal design and form will be applied to small metals. Techniques may include casting, mold making, brazing, soldering, welding, and laminating. Students are required to purchase supplies needed for the course at a cost of between $100-200. One field trip to an art gallery or museum is required.

ART 381 Intermediate Techniques in Metal Design

Units: 3
Hours: 36 hours LEC; 54 hours LAB

Course Family: Small Metal Arts
Prerequisite: ART 380 with a grade of "C" or better
Transferable: CSU

This intermediate course offers individual exploration and research in small metals working in two and three-dimensional forms. The course involves a concentrated study of intermediate work in elements of metal design and form, which may include enameling, engraving, laminating, lapidary, gemstone setting, mold making, and assembling design parts. Students' skill will be enhanced by supervised repetition and practice. Students are required to purchase supplies needed for the course at a cost of between $100-200. A field trip to an art gallery or art museum is required.

ART 384 Metal Design: Emphasis In Casting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Small Metal Arts
Prerequisite: None.
Advisory: ART 380 or 381; with a grade of "C" or better.
Transferable: CSU

This course covers historical and contemporary approaches to centrifugal casting, wax patterns, and the aesthetic aspects of metal casting for small scale sculpture and jewelry. Basic methods and techniques for wax working, kiln burnout, centrifugal casting, and metal finishing will be emphasized. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip to an art gallery, museum, or artist's studio will be required.

ART 385 Metal Arts Lab

Units: 1 - 2
Hours: 54 - 108 hours LAB
Course Family: Small Metal Arts
Prerequisite: None.
Corequisite: ART 380, 381, or 384; or a grade of "C" or better in one of the corequisite courses in a previous semester.
Transferable: CSU

This course offers laboratory experience to assist students in completing complex metal art projects. The course focuses on the development of a personal creative vision furthering technical skills and complex problem-solving. Students are required to purchase supplies needed for the course at a cost of between $100-150.

ART 390 Ceramics

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Ceramics-Hybrid
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1
C-ID: C-ID ARTS 230

This foundation level class is an introduction to the practice of studio ceramics. Course content includes basic methods of ceramic forming through the use of hand-construction techniques and the potter’s wheel, glaze application, and kiln firing processes. Lectures will be presented on the historical uses of clay and its relationship to the progress of civilizations and industry. The basis of the course is an emphasis on technical development and exploration of clay as a mean for aesthetic growth. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip to an art gallery or museum is required.

ART 391 Intermediate Ceramics

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Course Family: Ceramics-Hybrid
Prerequisite: ART 390 with a grade of "C" or better
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC

This is an intermediate level class designed for practice, experimentation, and refinement of studio ceramics. This course will be devoted to intermediate level work in hand building, wheel throwing, kiln operations, and glaze formulation. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip to an art gallery or museum is required.

ART 392 Ceramic Lab

Units: 1 - 2
Hours: 54 - 108 hours LAB
Prerequisite: None.
Corequisite: ART 390 or ART 391 or ART 400
Transferable: CSU

This course offers laboratory experience to assist students in completing complex ceramic projects. The course focuses on the development of a personal creative vision, furthering technical skills, and complex problem solving.

ART 394 Wheel Thrown Ceramics, Beginning

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 101; with a grade of "C" or better
Transferable: CSU; UC

This course focuses on the practice of wheel thrown ceramics. The class will provide students with a basic, broad understanding of the ceramics process, from the composition and preparation of clay for throwing, explanation, and demonstration of various wheel thrown forms, glaze application, and firing practices.

Students are required to purchase supplies needed for the course at a cost of between $100-150.

One field trip to an art museum or gallery is required.

ART 395 Wheel Thrown Ceramics, Intermediate

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ART 394 with a grade of "C" or better
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC

This course is an intermediate class in wheel thrown ceramics. The course will provide students with the further opportunity to explore the technical and creative processes of working on the pottery wheel, such as larger and more complex shapes and greater possibilities for surface development, in terms of firing temperatures and experimenting with multiple layering of glazes. Both functional and sculptural forms will be encouraged. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip to a museum or gallery is required for this course.

ART 396 Wheel Thrown Ceramics, Advanced

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ART 394 or 395 with a grade of "C" or better
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC

This course is an advanced class in wheel thrown ceramics. The course will provide students with individual approaches to create their own unique pottery forms. Emphasis will be placed on more aesthetic approaches to pottery-making and thrown sculptural forms. Students will be able to express individual artistic concepts and ideas through pottery forms using various advanced ceramic techniques, which include glazing, firing, and surface treatment. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip to a museum or gallery is required for this course.

ART 400 Clay Sculpture

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 101; and Art 300 with grades of "C" or better.
Transferable: CSU; UC
General Education: CSU Area C1

This is an introductory ceramics course devoted to three-dimensional and relief sculptural forms. Emphasis will be placed on learning sound fundamental skills of clay forming, design, surface decoration, and firing practices as applied to aesthetic and conceptually based projects. Students are required to purchase supplies needed for the course at a cost of between $100-150. A field trip to an art museum or gallery is required.

ART 404 Intermediate Clay Sculpture

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ART 400 with a grade of "C" or better
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC

This course is an intermediate class in ceramic sculpture techniques and methods. The course will include glazing, surface treatment, and various firing processes used in clay sculpture. Focus will be placed on in-depth examination of contemporary ceramic sculpture and three-dimensional design. Projects for ART 400 are different from ART 404; they change in rotation from Fall to Spring semester. Students are required to purchase supplies needed for the course at a cost of between $100-150. One field trip to an art museum or gallery is required.

ART 430 Art and Children

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better
Transferable: CSU
General Education: AA/AS Area I

This course covers the use of materials and techniques of studio activities in the K-12 classroom. Topics include the elements of art, principles of design, materials used in two and three dimensional art, techniques used to create age appropriate art, and designing art curriculum for the K-12 classroom. A field trip is required. Materials may cost from $25-$40.

ART 440 Artists' Materials and Techniques

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ART 300, 320, and 323 with grades of "C" or better
Transferable: CSU
General Education: AA/AS Area I

This course is an introduction to the general area of artists' materials and techniques in both contemporary and historical contexts. Included are the use of tools in construction of painting supports and techniques in matting, framing, and art display. Pigment, composition study, and the appreciation of historical, traditional, and modern techniques in two and three dimensional media are also emphasized. Students are required to purchase supplies needed for the course at a cost of between $100-150. One field trip is required.

ART 443 Art Gallery Operations

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ARTH 300 with a grade of "C" or better or equivalent
Transferable: CSU

This first-semester course involves gallery preparation and maintenance as students learn gallery fundamentals in the visual arts. Involved are experiences in planning and installing exhibitions, inventory and maintenance of a permanent art collection, participation in staffing and docent activities, and gallery and student outreach programs. A field trip to a museum or gallery is required.

ART 445 Art Gallery Operations

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ART 443 with a grade of "C" or better
Transferable: CSU

This second-semester course involves further study of gallery preparation and maintenance as students learn gallery fundamentals in the visual arts. Experiences include planning and installing exhibitions, lighting techniques, inventory, maintaining a permanent art collection, conservation techniques, participation in staffing and docent activities, and

gallery and student outreach programs. Second-semester students do advanced studies and work on campus exhibitions, community outreach programs, and the SCC Permanent Art Collection. Two field trips are required for this course.

ART 446 Portfolio Preparation

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course is designed for students who are interested in the creation or revision of a portfolio in order to submit work for university application, seek gallery exhibitions, complete scholarship applications, or apply for art positions. Emphasis is on photographing, matting, framing art, as well as preparing artists' statements, resumes, brochures, business cards, and creating an online presence. A field trip to a gallery or museum is required. Approximately $100 of art materials as required by the instructor.

ART 494 Topics in Art

Units: 0.5 - 4
Hours: 6 - 48 hours LEC; 9 - 72 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course is designed to give students an opportunity to study topics in art not included in current course offerings. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ART 495 Independent Studies in Art

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Art offers students a chance to do research and/or experimentation that is more typical of advanced studies in the studio arts. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ART 498 Work Experience in Art

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: None.
Transferable: CSU

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

ART 499 Experimental Offering in Art

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Art History

The Art History major is designed to prepare students for further study in the history of art leading to the Bachelor's, Master's, and/or the Ph.D. in Art History. Art Historians with advanced degrees are college instructors, museum and gallery directors, curators, or art critics and can work for public and private collectors.

Degrees Offered

A.A.-T. in Art History

A.A. in Art History

Dean Patti Leonard

Department Chair Valerie Rohret

Phone (916) 650-2942

Email RohretV@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Art History

The Art History major is designed to prepare students for further study in the history of art leading to the Bachelor's, Master's, and/or the Ph.D. in Art History. The Art History transfer program provides students the opportunity to complete the lower-division coursework required for four-year programs in art history. This program is for students who plan to transfer to a California State University (CSU). Completion of the CSU General-Breadth or IGETC general education pattern is required. It is highly recommended that students meet with a counselor because major and general education requirements vary for each college/university. Declared majors will be invited to an orientation with the opportunity to meet with art history faculty for advising.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
ARTH 304	Ancient Art (3)	3
or ARTH 484	Ancient Art-Honors (3)	
ARTH 306	Medieval Art (3)	3
or ARTH 486	Medieval Art-Honors (3)	
ARTH 308	Renaissance Tradition in Art (3)	3
or ARTH 487	Renaissance Art-Honors (3)	
ARTH 310	Modern Art (3)	3
or ARTH 488	Modern Art--Honors (3)	
ART 300	Drawing and Composition I	3
A minimum of 3 units from the following:		3
ARTH 334	International Contemporary Art (3)	
or ARTH 332	Asian Art (3)	
or ARTH 328	Survey of African Art (3)	
or ARTH 324	Art of the Americas (3)	
or ARTH 325	Native American Art History (3)	
or ARTH 320	Multicultural Art in America (3)	
A minimum of 3 units from the following:		3
ART 390	Ceramics (3)	
or ART 372	Sculpture (3)	
or ART 370	Three Dimensional Design (3)	
or ART 320	Design: Fundamentals (3)	
or ART 301	Digital Drawing and Composition (3)	
or ART 304	Figure Drawing I (3)	
A minimum of 3 units from the following:		3
Choose a minimum of three units from below that was not chosen above:		
ARTH 334	International Contemporary Art (3)	
or ARTH 332	Asian Art (3)	
or ARTH 328	Survey of African Art (3)	
or ARTH 324	Art of the Americas (3)	
or ARTH 312	Women in Art (3)	
or ARTH 325	Native American Art History (3)	
or ARTH 313	History of Western Architecture: Prehistoric to Renaissance (3)	

Course Code	Course Title	Units
or ARTH 314	History of Western Architecture: Renaissance to Modern (3)	
or ARTH 318	History of American Art (3)	
or ARTH 307	Italian Renaissance Art (3)	
or ARTH 320	Multicultural Art in America (3)	
Total Units:		**24**

The Associate in Arts in Art History for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- assess and evaluate the contributions of artists throughout history.
- identify and evaluate works of art or architecture according to their appropriate style and time frame.
- analyze and critique art and architecture within the context of their functions and meanings.
- research and assess theoretical information concerning the meanings and purposes of art and architecture.
- analyze and assess the histories of cultures and civilizations and how art and architecture is a reflection of those histories.

Career Information

Art historians with undergraduate degrees are placed as registrars, preparators, and curatorial staff in art museums and galleries; they are also employed as art critics in mass media publications, such as newspapers and magazines. An advanced degree allows an art historian a wider range of possible career applications, including museum directorships, curators, instructors, preservationists, researchers, and auction house personnel.

Associate Degrees

A.A. in Art History

The Art History major is designed to prepare students for further study in the history of art leading to the Bachelor's, Master's, and/or the Ph.D. in Art History. Art Historians with advanced degrees are college instructors, museum and gallery directors, curators, or art critics and work for public and private collectors.

Degree Requirements

Course Code	Course Title	Units
ARTH 301	Introduction to Art History	3[1]
ARTH 304	Ancient Art (3)	3
or ARTH 484	Ancient Art-Honors (3)	
ARTH 306	Medieval Art (3)	3
or ARTH 486	Medieval Art-Honors (3)	
ARTH 308	Renaissance Tradition in Art (3)	3
or ARTH 487	Renaissance Art-Honors (3)	
ARTH 310	Modern Art (3)	3
or ARTH 488	Modern Art--Honors (3)	
ARTH 324	Art of the Americas (3)	3
or ARTH 325	Native American Art History (3)	
or ARTH 328	Survey of African Art (3)	
or ARTH 332	Asian Art (3)	
ART 300	Drawing and Composition I	3
ART 320	Design: Fundamentals (3)	3
or ART 332	Oil Painting (3)	
or ART 370	Three Dimensional Design (3)	
Total Units:		**24**

[1]This course should be taken prior to or concurrent with any other Art History course.

The Art History Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- assess and evaluate the contributions of artists throughout history.
- identify and evaluate works of art or architecture according to their appropriate style and time frame.
- analyze and critique art and architecture within the context of their functions and meanings.
- research and assess theoretical information concerning the meanings and purposes of art and architecture.
- analyze and assess the histories of cultures and civilizations and how art and architecture is a reflection of those histories.

Career Information

Art historians with undergraduate degrees are placed as registrars, preparators, and curatorial staff in art museums and galleries; they can also be employed as art critics in mass media publications, such as newspapers and magazines. An advanced degree allows an art historian a wider range of possible career applications, including museums directorships, curators, instructors, preservationists, researchers, and auction house personnel.

Art History (ARTH) Courses

ARTH 300 Art Appreciation

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID ARTH 100

This course emphasizes the history, sources, techniques, and problems of art and architecture. Material presented includes illustrated lectures, readings, and discussions of the various manifestations of art in cultures throughout the world. This course is recommended as a basis for the understanding of art, including techniques and media; students will develop personal opinions concerning art and architecture and will learn to express those opinions through extensive writing about art. A field trip is required.

ARTH 301 Introduction to Art History

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 301, 302, or 303 with a grade of "C" or better
Advisory: LIBR 318 or 325 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3B

This course introduces the student to a wide variety of art, including painting, sculpture, architecture, prints, textiles, and crafts; both Western and Non-Western art will be covered. The approach to the subjects is via primary sources in art and architectural history, as well as reading of important authors and scholarship in art history. Students will write research-oriented papers, based on primary research, secondary sources, and their own theories concerning art.

ARTH 304 Ancient Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID ARTH 110

This course is an introduction to the development of Western art from the Prehistoric era through the late Roman period. Emphasis is on Neolithic, Near Eastern, Egyptian, Greek, and Roman cultures. Comparisons are made with other cultures.

ARTH 306 Medieval Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID ARTH 110

This course is an introduction to the origin and development of Medieval art and architecture, including the Early Christian, Byzantine, Celtic, Islamic, Romanesque, and Gothic contributions. Comparisons are made with other traditions.

ARTH 307 Italian Renaissance Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course introduces the visual arts and architecture of Italy in the Early Modern period, from duecento (13th century) through cinquecento (16th century). Topics include the relationship between the visual arts and culture and artists and their works from the periods and styles known as the Proto-Renaissance, Renaissance, High Renaissance, and Mannerism. Connections between Italy and other cultures, including New World civilizations, are also made.

ARTH 308 Renaissance Tradition in Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID ARTH 120

This course is an introduction to art and architecture from circa 1300 to 1750 in Europe. Material covered includes painting, sculpture, architecture, and other media of the Italian Renaissance and Mannerist periods, 15th-Century Flemish art, the art of the Northern Renaissance, and Baroque and Rococo painting, sculpture, architecture, prints, and other media.

ARTH 310 Modern Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID ARTH 120; C-ID ARTH 150

This course covers 18th, 19th, 20th, and early 21st century art forms including painting, sculpture, and architecture in Europe and America. Styles discussed will include Neoclassicism, Romanticism, Realism, Impressionism and Post-Impressionism, and the major movements through Contemporary art. Post-

Modern art will also be discussed. A field trip to an art museum or art gallery is required.

ARTH 312 Women in Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a survey of art made by and for women from the ancient world to the present. Topics include the art of women from both European and non-European cultures. A field trip to a local museum is required.

ARTH 313 History of Western Architecture: Prehistoric to Renaissance

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course addresses the history of Western architecture from circa 2500 B.C.E. to circa 1500. Subjects covered include prehistoric European architecture and architectural monuments, architecture in the ancient world, which includes the Egyptian, Greek, and Roman cultures, and the great architecture of the European Romanesque and Gothic traditions. Architecture will be investigated for the ways in which it reflects the philosophical, cultural, and aesthetic expressions of civilizations. A field trip to view local architecture is required.

ARTH 314 History of Western Architecture: Renaissance to Modern

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course addresses the history of architecture in the Western world from circa 1400 up to the Modernist period, circa 1900. The course covers Renaissance, Baroque, Rococo, Neoclassical, and 19th century architecture in Europe and America and will focus on the functions and meanings of architecture within Western culture. A field trip to view local architecture is required.

ARTH 318 History of American Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course covers art in America from circa 1000 to the present day. Lecture topics include Native American art and architecture prior to the arrival of Europeans, Colonial and Early American art and architecture, 19th century landscape, portraiture, and history paintings, and the rise of American art centers in the 20th century. The course emphasizes the variety of cultures in America, the breadth of American social ideals, and their expressions in art and architecture. A field trip to an art museum is required.

ARTH 320 Multicultural Art in America

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A

This course is an introduction to the variety and diversity of important, but often underrepresented, cultures in America. The course is a survey of art forms and the contributions made by the ethnically diverse peoples who make up and contribute to the United States culture and character. To emphasize cultural diversity, instruction will include guest lectures by multicultural artists, as well as a required field trip.

ARTH 324 Art of the Americas

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: LIBR 318 or 325; ENGWR 302 or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
C-ID: C-ID ARTH 145

This course includes the study of the indigenous arts and artists of the Americas. Emphasis is on the Pre-Contact peoples of Mesoamerica and South America, such as the Aztec, Maya, and Inca cultures, and their contributions to colonial and modern art forms.

ARTH 325 Native American Art History

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A; IGETC Area 3B
C-ID: C-ID ARTH 145

This course is an introduction to the art and culture of Native American peoples. It will include the native peoples of the Arctic and Subarctic regions, the Northwest Coast, the Eastern Woodlands, including the Iroquois Confederacy, the Plains, the

Southwest, and California. Contemporary Native American art will also be discussed. Comparisons between individual Native American cultures will be drawn, as well as comparisons between Native and Eurocentric cultures. A field trip to a local museum or Native American cultural event is required.

ARTH 328 Survey of African Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A

This course is an introduction to African art in terms of its cultural and philosophical background; its materials and techniques; and its impact on the art of other regions of the world. One field trip is required.

ARTH 332 Asian Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
C-ID: C-ID ARTH 130

This course is an introductory survey of the arts of East, South, and Southeast Asia, including India, China, Korea, Japan, Indonesia, Thailand, and Cambodia. It features discussion of architecture, sculpture, painting, and other significant art forms from Neolithic to modern times. The contributions of Asian art to Western aesthetics are discussed; comparisons are also made between individual Eastern cultures and other non-Western cultures.

ARTH 334 International Contemporary Art

Units: 3
Hours: 54 hours LEC
Prerequisite: ARTH 300 or 310 with a grade of "C" or better
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a survey of worldwide trends in art and architecture since 1980, with an emphasis on the diversity of contemporary global cultures. New art media, such as video, digital, and performance art are highlighted. Social and political concerns in art are another primary focus. A field trip is required.

ARTH 410 Early 20th Century Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ARTH 310; ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course covers art and architecture in the first half of the 20th century in Europe and the United States. Styles covered will include Fauvism, Expressionism, Cubism, Futurism and others. Additional lectures will cover American art between the wars, as well as the art produced in the United States during the Great Depression.

ARTH 420 History of Photography

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course introduces students to the history of photography, focusing on work of the 20th century. Early photographers in the 19th century are also studied, as well as 21st century trends. The cultural impact of photography on society and the influence of photography on other visual media are also discussed.

ARTH 484 Ancient Art-Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for admission to the Honors Program.
Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A; IGETC Area 3B

This course is an introduction to the development of western art from the Prehistoric era through the Roman period. Emphasis is on ancient Near Eastern, Egyptian, Greek, and Roman cultures. Comparisons are made with other cultures. Students will write a minimum of 6,000 words, including at least two art historical analyses and one research paper. Credit may be earned for ARTH 304 or ARTH 484 but not for both.

ARTH 486 Medieval Art-Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for the Honors Program
Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.
Transferable: CSU; UC

General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is an introduction to the origin and development of Medieval art and architecture, including the Early Christian, Byzantine, Celtic, Islamic, Romanesque, and Gothic styles. A field trip is required. Comparisons are made with other traditions. Students give at least one oral presentation and write a minimum of 6,000 words, including at least two art historical analyses and one research paper. Credit may be earned for ARTH 306 or ARTH 486 but not for both.

ARTH 487 Renaissance Art-Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for admission to the Honors Program
Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is an introduction to the development of realism and illusionism in Western art from its roots in the Greco-Roman world to its flowering in the 15th and 16th Centuries in Europe. Mannerist, Baroque, and Rococo styles are also covered. Comparisons are also made with other traditions. Students give at least one oral presentation and write a minimum of 6,000 words, including at least two art historical analyses and one research paper. Credit may be earned for ARTH 308 or ARTH 487 but not for both.

ARTH 488 Modern Art--Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for admission to the Honors Program.
Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course covers 19th and 20th century art forms including painting, sculpture, and architecture in Europe and America. Styles discussed will include Impressionism, Expressionism, Cubism, and Abstract Expressionism. Emphasis is on 20th century art to 1980. A field trip to an art museum or art gallery is required. Students give at least one oral presentation and write a minimum of 6,000 words, including at least two art historical analyses and one research paper. Credit may be earned for ARTH 310 or ARTH 488 but not for both.

ARTH 494 Topics in Art History

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to give students an opportunity to study topics in art history not included in current course offerings. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ARTH 495 Independent Studies in Art History

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Art History offers students a chance to do research that is more typical of students in advanced art history courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ARTH 499 Experimental Offering in Art History

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Astronomy

Courses only.

Dean Rose Giordano Ph.D.

Department Chair Douglas Copely

Phone (916) 650-2759

Email copelyd@scc.losrios.edu

Astronomy (ASTR) Courses

ASTR 310 The Solar System

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A

This is a descriptive course covering the nature and evolution of the Solar System including exoplanets of stars beyond the Sun. Topics include the origins and characteristics of different types of planets, satellites, ring systems, asteroids, comets, and other debris. The Sun's role within the Solar System is discussed. Emphasis will be placed on how astronomers obtain and refine their knowledge of planets, and students will interpret the latest planetary discoveries in that context. Students enrolled in this course will have the opportunity to attend astronomy activities, such as the Open Observatory and dark sky events.

ASTR 320 Stars, Galaxies, and Cosmology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A

This is a descriptive course treating the nature and evolution of stars, galaxies, and the astronomical theories of the origin and evolution of the Universe. Emphasis will be placed on how astronomers gain and refine their knowledge of the universe, and students will interpret the latest results of related astronomy research. Students enrolled in this course will have the opportunity to attend astronomy related activities, such as the Open Observatory or dark sky events.

ASTR 330 Introduction to Astrobiology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A

Students in this course will investigate the scientific search for life beyond Earth. Students will discover the connections between stars, planets, and life on Earth - or elsewhere, the nature of habitability, and quantifying the likelihood of life existing elsewhere in the Galaxy. Students will also study past, present, and future attempts to discover possible alien civilizations in our Galaxy.

ASTR 400 Astronomy Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: ASTR 310 or ASTR 320
Advisory: MATH 34 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A

This course covers astronomical observation with the eye, telescopes, and spectrometers. The analysis and interpretation of astronomical data is emphasized, usually with student-collected data. Students enrolled in this class will have the opportunity to attend astronomy related activities, such as the Open Observatory and dark sky events.

ASTR 435 Astronomy Frontiers

Units: 3
Hours: 54 hours LEC
Prerequisite: ASTR 310 or 320 with a grade of "C" or better
Advisory: MATH 34 with a grade of "C" or better
Transferable: CSU; UC

This is a continuation course for students of ASTR 310 and/or ASTR 320 who want to explore the cutting edge of astronomical research. The topics covered will be based on the latest astronomical discoveries and will include such things as media coverage of science, possible missing planets in our Solar System, exoplanets, habitable zones and their connection to life, the lives of stars including black holes, groupings of stars such as open clusters and co-moving groups, exotic matter, dark energy, the nature of galaxies, cosmology and its connection to the String Model, the search for extraterrestrial life and possible extinction threats to humanity such as meteoroid impacts, climate change, and futures less dark. Emphasis will be placed on how astronomers use science to understand the Universe as well as the provisional nature of science.

ASTR 494 Topics in Astronomy

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed for any student wanting to learn about recent developments in astronomy. Selected topics are subject to change and must be topics not already a part of current course offerings.

UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ASTR 495 Independent Studies in Astronomy

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This is an Independent Studies course that involves an individual student or small group of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement between the college, faculty member, and student(s). UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for UC admission.

ASTR 499 Experimental Offering in Astronomy

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Aviation

Whether you're seeking a Federal Aviation Administration (FAA) Aircraft Dispatcher certificate; want to prepare for success at the FAA's Air Traffic Controller Academy; want to pass your FAA Aeronautical Knowledge exams for Private, Instrument, Remote and Commercial Pilot and Instructor ratings; or simply want a well-rounded education before embarking on a professional aviation career; the Aviation Department is here to help you reach for the sky.

Degrees and Certificates Offered

A.S. in Air Traffic Control

A.S. in Aircraft Dispatcher

A.S. in Flight Technology

Aircraft Dispatcher Certificate

Flight Technology Certificate

Dean Andrea Gaytan

FAA Liaison Thomas Burg

Phone (530) 747-5243

Email Aviation@scc.losrios.edu

Associate Degrees

A.S. in Air Traffic Control

Sacramento City College maintains an Air Traffic Control program in partnership with the Federal Aviation Administration's (FAA) Collegiate Training Institute program. Our Associate of Science degree program is designed to provide students with a professional level of aviation knowledge and to allow students to compete for selection to attend the FAA Academy in a preferential selection pool.

The program is structured as an intensively-scheduled cohort learning program. Students will be taking a total of 12-17 units in a series of 4-8 week classes during each semester. Individual classes may require knowledge gained in prior classes, therefore scheduling individual classes outside of the cohort or taking courses out of sequence is not permitted.

The program covers all the FAA learning objectives of the FAA Academy's AT Basics course in a 2-semester series (12-17 units per semester) of cohort classes. Students must complete the degree to receive hiring consideration in the preferential pool.

Current FAA hiring requirements for Air Traffic Controllers include a maximum age of 30 years at the time of application and U.S. citizenship. Students must complete the degree to receive hiring consideration in the preferential pool.

This program meets the needs of students who want to pursue further training opportunities for work in an FAA facility, work in a contract ATC facility, or work in an ATC facility for the military. It is also suitable for students seeking an expanded knowledge of aviation flight operations and traffic flow management.

Degree Requirements

Course Code	Course Title	Units
ATCAD 300	Basic Terminal Procedures	3.5
ATCAD 301	Advanced Terminal Procedures	3.5
ATCAD 302	Basic En Route Procedures	3.5
ATCAD 303	Advanced En Route Procedures	3.5
FLTEC 302	Aviation Weather	3
FLTEC 304	Human Factors and Risk Management in Aviation	3
FLTEC 306	Federal Aviation Regulations	3
FLTEC 310	Instrument Pilot/Instructor Ground School	4
FLTEC 320	Private Pilot Ground School	3
FLTEC 330	Airplane Aerodynamics	3
Total Units:		**33**

The Air Traffic Control Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- The Federal Aviation Administration requires that all applicants read, write, speak, and understand the English language in accordance with Advisory Circular AC60-28.
- Successful completion of FLTEC 320, Private Pilot Ground.
- Students must attend a mandatory Aviation programs information meeting to receive enrollment permission numbers for the first semester cohort courses. Meeting scheduling information can be found on the Aviation programs web site (https://www.scc.losrios.edu/aviation/).

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- interpret Federal Aviation Regulations that pertain to Air Traffic Control procedures.
- utilize correct air-to-ground and ground-to-air communication terminology and phraseology.
- interpret and disseminate terminal and en-route weather reports.
- apply Air Traffic Control procedures in simulated radar approach control, terminal, and enroute environments.

Career Information

Employment opportunities exist within the Federal Aviation Administration's National Air Traffic Control system for Air Traffic Controllers and Remote Pilot Operators (RPO's), with numerous contract facilities throughout the country, and with the military worldwide.

A.S. in Aircraft Dispatcher

Sacramento City College maintains a Federal Aviation Administration (FAA) authorized 14 CFR Part 65 Aircraft Dispatcher (AD) Program. Our one-year certificate and two-year degree programs are designed to meet the needs of students who desire the technical training in order to qualify for the written, oral, and practical tests for the FAA Aircraft Dispatcher Certificate.

This is an intensive aviation program that brings participants with little or no aviation knowledge up to a knowledge level required by working aviation professionals. The program is taught in a two-semester sequenced cohort, with 12-15 credit units per semester. It is recommended that all general education requirements for the degree be completed before registering for the aviation-specific cohort classes.

All required courses must be passed with a grade of "C" or better.

In the final semester, students will be required to take the FAA Aeronautical Knowledge Test for Aircraft Dispatcher (ADX written). Students must be 21 years of age to take the exam. This exam is given on a PASS/FAIL basis by testing centers authorized by the FAA but not affiliated with Sacramento City College. Costs for the exam currently range from $150-$165.

Students who successfully complete the FAA written exam and complete the program are eligible to take the FAA Practical Exam. In accordance with FAA regulations, the authorization to take the exam is valid for 90 days after completion of the ATCAD 310 Aircraft Dispatcher Operations course. Sacramento City College normally makes arrangements to have an FAA Dispatch Examiner present at the college within that window. Costs for the Dispatch Practical Exam range from $600 to $1000.

Upon passing the FAA Practical Exam, graduates aged 23 years or more are certificated to perform the duties of an aircraft dispatcher for a 14 CFR Part 121 Air Carrier. Those who have not reached age 23 are issued an FAA Letter of Competency which may be presented to any FAA Flight Standards Office for issuance of the Aircraft Dispatcher certificate on or after their 23rd birthday.

Degree Requirements

Course Code	Course Title	Units
ATCAD 309	Airline Operations and Performance	3
ATCAD 310	Aircraft Dispatcher Operations	3
FLTEC 302	Aviation Weather	3
FLTEC 304	Human Factors and Risk Management in Aviation	3
FLTEC 306	Federal Aviation Regulations	3
FLTEC 310	Instrument Pilot/Instructor Ground School	4
FLTEC 314	Large Aircraft Systems	5
FLTEC 320	Private Pilot Ground School	3
FLTEC 330	Airplane Aerodynamics	3
Total Units:		**30**

The Aircraft Dispatcher Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- The Federal Aviation Administration requires that all applicants read, write, speak, and understand the English language. FAA guidance on language proficiency can be found in the current version of Advisory Circular AC60-28 and the Level 4 proficiency standards of ICAO Doc 9835.
- Successful completion of FLTEC 320, Private Pilot Ground, or possession of an FAA Private Pilot certificate and a current biennial flight review (BFR).
- Students must complete FLTEC 314, Large Aircraft Systems and FLTEC 310, Instrument Pilot in the semester immediately prior to enrolling in ATCAD 310 Practical Dispatch, or complete a diagnostic assessment exam demonstrating sufficient retention of aviation knowledge from the Flight Technology core curriculum.
- The Federal Aviation Administration requires that applicants for the Aircraft Dispatcher written exam be at least 21 years of age. It is expected that students complete the exam before the midway point of the final course in the program (ATCAD 310 Practical Dispatch). [14 CFR 65.53(a)]
- Students must attend a mandatory Aviation programs information meeting to receive enrollment permission numbers for the first semester cohort courses. Meeting scheduling information can be found on the Aviation programs web site (https://www.scc.losrios.edu/aviation/).

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- perform the required duties of an Aircraft Dispatcher, as outlined by the Federal Aviation Administration.
- demonstrate a readiness to take the oral and practical examinations for the Federal Aviation Administration's aircraft dispatcher certificate.
- apply concepts learned such as weather analysis, large aircraft systems, regulations, and human factors to practical Aircraft Dispatcher problems.

Career Information

Aircraft Dispatchers are employed by all major and regional airlines worldwide. Outside of the United States, the aircraft dispatcher may be referred to as a Flight Operations Officer in accordance with the standards and recommended practices of the International Civil Aviation Organization (ICAO). Many jet charter and helicopter air ambulance operators, as well as government agencies and the military, utilize their services.

A.S. in Flight Technology

The Flight Technology A.S. Degree program is designed for students who want to pursue professional careers in aviation flight operations, or who wish to continue their aviation studies in a baccalaureate program.

During the course of the program the student will have the opportunity to qualify to take the written portions of the FAA

Private, Instrument, Commercial Pilot, Basic and Advanced Ground Instructor and the Certified Flight Instructor Instrument examinations. Examinations are given at FAA-authorized locations not related to the college. Each exam is given on a PASS/FAIL basis, and costs between $150 and $165. Results of the exams are valid for 2 years after the date of examination.

This is an intensive, broad-based aviation program that brings participants with little or no aviation knowledge up to a knowledge level required by working aviation professionals. The program is taught in cohorts, with 12 to 15 credit units per semester. It is recommended that all general education requirements for the degree be completed before registering for aviation-specific cohort classes.

Degree Requirements

Course Code	Course Title	Units
FLTEC 302	Aviation Weather	3
FLTEC 304	Human Factors and Risk Management in Aviation	3
FLTEC 306	Federal Aviation Regulations	3
FLTEC 310	Instrument Pilot/Instructor Ground School	4
FLTEC 314	Large Aircraft Systems	5
FLTEC 319	Fundamentals of Instruction for Aviation Instructors	3
FLTEC 320	Private Pilot Ground School	3
FLTEC 321	Commercial Pilot Ground School	3
FLTEC 330	Airplane Aerodynamics	3
Total Units:		**30**

The Flight Technology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- The Federal Aviation Administration requires (AC 60-28) that all applicants read, write, speak, and understand the English language.
- Successful completion of FLTEC 320, Private Pilot Ground. Or
- Hold an FAA or ICAO-compliant Private (or higher) pilot certificate and a current biennial flight review (BFR). Or
- Have documented significant and recent (within the last 5 years) military or civilian commercial aviation operations experience.
- Students must attend a mandatory Aviation programs information meeting to receive enrollment permission numbers for the first semester cohort courses. Meeting scheduling information can be found on the Aviation programs web site (https://www.scc.losrios.edu/aviation/).

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the required knowledge and skills in order to qualify for the written portions of the Federal Aviation Administration examinations for pilot and instructor.
- perform navigational pre-flight planning.
- assemble and analyze terminal and en route weather data.
- calculate departure, en route, and arrival performance data.
- assess risk factors to aircraft operations and apply the appropriate safety and communications protocols to mitigate the risks.

Career Information

Professional Pilots are employed as Charter Pilots, Flight Instructors, Ground Instructors, Agricultural Pilots, Helicopter Pilots, Flight Engineers, and Regional Airline/Major Airline Pilots, as well as working for Government Agencies or the Military.

Certificates of Achievement

Aircraft Dispatcher Certificate

Sacramento City College maintains a Federal Aviation Administration (FAA) authorized 14 CFR Part 65 Aircraft Dispatcher (AD) Program. Our one-year certificate and two-year degree programs are designed to meet the needs of students who desire the technical training in order to qualify for the written, oral, and practical tests for the FAA Aircraft Dispatcher Certificate.

This is an intensive aviation program that brings participants with little or no aviation knowledge up to a knowledge level required by working aviation professionals. The program is taught in a two-semester sequenced learning cohort, with 12-15 credit units per semester.

All required courses must be passed with a grade of "C" or better.

In the final semester, students will be required to take the FAA Aeronautical Knowledge Test for Aircraft Dispatcher (ADX written). Students must be 21 years of age to take the exam. This exam is given on a PASS/FAIL basis by testing centers authorized by the FAA but not affiliated with Sacramento City College. Costs for the exam currently range from $150-$165.

Students who successfully complete the FAA written exam and complete the program are eligible to take the FAA Practical Exam. In accordance with FAA regulations, the authorization to take the exam is valid for 90 days after completion of the ATCAD 310 Aircraft Dispatcher Operations course. Sacramento City College normally makes arrangements to have an FAA Dispatch Examiner present at the college within that window. Costs for the Dispatch Practical Exam range from $600 to $1000.

Upon passing the FAA Practical Exam, graduates aged 23 years or more are certificated to perform the duties of an aircraft dispatcher for a 14 CFR Part 121 Air Carrier. Those who have

not reached age 23 are issued an FAA Letter of Competency which may be presented to any FAA Flight Standards Office for issuance of the Aircraft Dispatcher certificate on or after their 23rd birthday.

Certificate Requirements

Course Code	Course Title	Units
ATCAD 309	Airline Operations and Performance	3
ATCAD 310	Aircraft Dispatcher Operations	3
FLTEC 302	Aviation Weather	3
FLTEC 304	Human Factors and Risk Management in Aviation	3
FLTEC 306	Federal Aviation Regulations	3
FLTEC 310	Instrument Pilot/Instructor Ground School	4
FLTEC 314	Large Aircraft Systems	5
FLTEC 320	Private Pilot Ground School	3
FLTEC 330	Airplane Aerodynamics	3
Total Units:		**30**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- The Federal Aviation Administration requires that all applicants read, write, speak, and understand the English language. [14 CFR 65.53(b)(2)]
- Successful completion of FLTEC 320, Private Pilot Ground, or possession of an FAA Private Pilot certificate and a current biennial flight review (BFR).
- Students must complete FLTEC 310, Instrument Pilot/ Instructor Ground School and FLTEC 314, Large Aircraft Systems in the semester immediately prior to enrolling in ATCAD 310 Practical Dispatch, or complete a diagnostic assessment exam demonstrating sufficient retention of aviation knowledge from the Flight Technology core curriculum.
- The Federal Aviation Administration requires that applicants for the Aircraft Dispatcher written exam be at least 21 years of age. It is expected that students complete the exam before the midway point of the final course in the program (ATCAD 310 Practical Dispatch). [14 CFR 65.53(a)]
- Students must attend a mandatory Aviation programs information meeting to receive enrollment permission numbers for the first semester cohort courses. Meeting scheduling information can be found on the Aviation programs web site (https://www.scc.losrios.edu/aviation/).

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- perform the required duties of an Aircraft Dispatcher, as outlined by the Federal Aviation Administration.
- demonstrate a readiness to take the oral and practical examinations for the Federal Aviation Administration's aircraft dispatcher certificate.
- apply concepts learned such as weather analysis, large aircraft systems, regulations, and human factors to practical Aircraft Dispatcher problems.

Career Information

Aircraft Dispatchers are employed by all major and regional airlines worldwide. Outside of the United States, the aircraft dispatcher may be referred to as a Flight Operations Officer in accordance with the standards and recommended practices of the International Civil Aviation Organization (ICAO). Many jet charter and helicopter air ambulance operators, as well as government agencies and the military, utilize their services.

Flight Technology Certificate

Sacramento City College offers a one-year certificate program organized to offer aspiring pilots all the academic ground instruction required for the Federal Aviation Administration (FAA) Private and Commercial pilot certificates with an Instrument rating, and the Ground Instructor certificate with Advanced and Instrument ratings.
Students will also study large commercial aircraft systems.

During the course of the program the student will qualify to take the written portions of the FAA Private, Instrument, Commercial Pilot, Basic and Advanced Ground Instructor and the Certified Flight Instructor Instrument examinations. Examinations are given at FAA-authorized locations not related to the college. Each exam is given on a PASS/FAIL basis, and costs between $150 and $165. Results of the exams are valid for 2 years after the date of examination.

No actual flight training is available through Sacramento City College.

This is an intensive, broad-based aviation program that brings participants with little or no aviation knowledge up to a knowledge level required by working aviation professionals. The program is taught in cohorts, with 12 to 15 credit units per semester.

All required courses must be passed with a grade of "C" or better.

Certificate Requirements

Course Code	Course Title	Units
FLTEC 302	Aviation Weather	3
FLTEC 304	Human Factors and Risk Management in Aviation	3
FLTEC 306	Federal Aviation Regulations	3
FLTEC 310	Instrument Pilot/Instructor Ground School	4
FLTEC 314	Large Aircraft Systems	5
FLTEC 319	Fundamentals of Instruction for Aviation Instructors	3
FLTEC 320	Private Pilot Ground School	3
FLTEC 321	Commercial Pilot Ground School	3
FLTEC 330	Airplane Aerodynamics	3
Total Units:		**30**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- The Federal Aviation Administration requires (AC 60-28) that all applicants read, write, speak, and understand the English language.
- Successfully complete the prerequisite course: FLTEC 320, Private Pilot Ground, or
- Hold an FAA or ICAO-compliant Private Pilot certificate with a current biennial flight review (BFR), or
- Have significant documented recent (within the last 5 years) military or civilian commercial aviation operations experience.
- Students must attend a mandatory Aviation programs information meeting to receive enrollment permission numbers for the first semester cohort courses. Meeting scheduling information can be found on the Aviation programs web site (https://www.scc.losrios.edu/aviation/).

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the knowledge and skills to qualify for the written portions of the Federal Aviation Administration examinations for pilot and instructor.
- perform navigational pre-flight planning.
- assemble and analyze terminal and en-route weather data.
- calculate departure, en-route, and arrival performance data.
- assess risk factors to aircraft operations and apply the appropriate safety and communications protocols to mitigate the risks.

Career Information

Professional Pilots are employed as Charter pilots, Flight Instructors, Ground Instructors, Agricultural Pilots, Helicopter Pilots, Flight Engineers, and Regional Airline/Major Airline Pilots as well as working for a Government Agency or the Military.

Air Traffic Control and Aircraft Dispatcher (ATCAD) Courses

ATCAD 300 Basic Terminal Procedures

Units: 3.5
Hours: 45 hours LEC; 54 hours LAB
Prerequisite: FLTEC 302, 304, 306, 310, 312, 314, 320, 321, and 330 with grades of "C" or better
Transferable: CSU

This course provides lecture and simulator lab experience in the fundamental concepts of procedures and skills related to Terminal Radar Control (TRACON) operations. Areas such as aircraft identification, voice communication, phraseology, facility and inner-facility coordination, strip markings, airport traffic control, and TRACON functions will be taught and practiced.

ATCAD 301 Advanced Terminal Procedures

Units: 3.5
Hours: 45 hours LEC; 54 hours LAB
Prerequisite: ATCAD 300, FLTEC 302, FLTEC 304, FLTEC 306, FLTEC 310, FLTEC 312, FLTEC 314, FLTEC 320, FLTEC 321, and FLTEC 330 with grades of "C" or better
Transferable: CSU

This course continues the training of ATCAD 300 with lecture and simulator lab experience in more advanced concepts of procedures and skills related to Terminal Radar Control (TRACON) operations. Advanced topics in aircraft identification, voice communication, phraseology, facility and inner-facility coordination, strip markings, air traffic control, TRACON functions, runway visibility, weather observations, communication failures, and emergencies will be taught and practiced. One field trip to an operating TRACON facility may be scheduled.

ATCAD 302 Basic En Route Procedures

Units: 3.5
Hours: 45 hours LEC; 54 hours LAB
Prerequisite: FLTEC 302, 304, 306, 310, 312, 314, 320, 321, and 330 with grades of "C" or better
Transferable: CSU

This course provides lecture and simulator lab experience in the fundamental rules and procedures required in the en route environment. Areas such as air-to-ground and ground-to-air communications, radar control, Visual Flight Rules (VFR) and Instrument Flight Rules (IFR) en route procedures, aircraft identification, voice communications, phraseology, facility and inter-facility coordination, strip markings, and clearances will be taught and practiced.

ATCAD 303 Advanced En Route Procedures

Units: 3.5
Hours: 45 hours LEC; 54 hours LAB
Prerequisite: ATCAD 302, FLTEC 302, FLTEC 304, FLTEC 306, FLTEC 310, FLTEC 312, FLTEC 314, FLTEC 320, FLTEC 321, and FLTEC 330 with grades of "C" or better
Transferable: CSU

This course is a continuation of ATCAD 302 provides lecture and simulator lab experience in advanced rules and procedures required in the en route environment. Areas such as air-to-ground and ground-to-air communication, radar control, Visual Flight Rules (VFR) and Instrument Flight Rules (IFR) en route procedures, aircraft identification, communication failures, clearances, strip markings, radio and satellite navigation systems, aviation weather services, and emergency procedures in complex airspaces and across multiple positions will be taught and practiced.

ATCAD 309 Airline Operations and Performance

Units: 3
Hours: 54 hours LEC

Prerequisite: FLTEC 302, 304, 306, 310, 314, 320, and 330 with grades of "C" or better; Students who do not wish to pursue a degree or certificate from Sacramento City College and who meet the experience and recency requirements of 14 CFR 65.57(a) may enroll after completing FLTEC 314.
Advisory: Students be prepared to take the FAA ADX aeronautical knowledge exam at or before the completion of the course. The exam is administered by FAA-contracted testing facilities. Current charges are $150-$165. Students under the age of 21 will take instructor-developed exams. Students must be 21 years of age or more to take the exam.
Transferable: CSU

This course introduces advanced subject matter in relation to airline operations regulations, weight and balance, winter operations, and calculating aircraft performance and limitations for a variety of large turboprop and turbojet aircraft.

The course will prepare the student to take the Federal Aviation Administration's (FAA) Aeronautical Knowledge exam for Aircraft Dispatcher (ADX).

Students should complete the ADX by the end of the course. The exam is offered at FAA contract testing sites not affiliated with Sacramento City College. Current costs for the exam range from $150-$165. These costs are not included in the enrollment fees for this course.

FAA regulations (14 CFR 65.53(a)) requires that a person be at least 21 years of age to take the required ADX aeronautical knowledge exam. Students under the age of 21 will be required to take instructor-developed exams.

ATCAD 310 Aircraft Dispatcher Operations

Units: 3
Hours: 54 hours LEC
Prerequisite: ATCAD 309 with a grade of "C" or better; Students should have completed the Federal Administration's aeronautical knowledge exam for Aircraft Dispatcher before the class begins.
Transferable: CSU

This course emulates airline's aircraft dispatcher indoctrination and initial training courses. Students will be required to interpret Operations Specifications, complete manual flight plans, deliver flight briefings as an aircraft dispatcher to a simulated flight crew under various conditions. Required briefings will include weather, performance data, weight and balance calculations, and special conditions of the flight.

This course is required under 14 CFR Part 65 Appendix A Section VIII of Sacramento City College's FAA-authorized Part 65 Aircraft Dispatcher training program. Students who successfully complete this course will be eligible for a 14 CFR Part 65 course Certificate of Completion, valid for 90 days, that will authorize them to take the FAA Aircraft Dispatcher Practical Exam with an FAA Aviation Safety Inspector-Dispatch or Designated Aircraft Dispatch Examiner. Practical Dispatch examinations are not given by Sacramento City College, can require fees of $600-$1000.

Students who do not pass an FAA Aircraft Dispatcher Practical exam within 90 days of successfully completing the course as required by 14 CFR 65.70(2)(b) may retake the course up to two additional times.

Students must complete ATCAD 309, Airline Operations and Performance and show evidence of having completed the FAA Aircraft Dispatcher aeronautical knowledge exam (ADX) before beginning the course.

Flight Technology (FLTEC) Courses

FLTEC 100 Introduction to Aviation Careers

Units: 1
Hours: 18 hours LEC
Prerequisite: None.

This introductory course is designed for potential aviation career professionals such as pilots, air traffic controllers, and aircraft dispatchers. In this course, students will explore the fundamentals of aircraft operations as well as the history and development of the aviation industry. The students will also explore and learn the requirements for completing the AS degree in Air Traffic Control, Aircraft Dispatch, and Flight Technology. A final grade of "C" or better and completion of the Computerized Placement Testing series is necessary to move on to FLTEC 302, 306, 312, 320, and 330.

FLTEC 294 Topics in Aeronautics, Flight Technology

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.

This is a specialized course developed in conjunction with industry partners to address emerging training needs.

FLTEC 300 Introduction to Aviation

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This introductory course is designed for aviation career professionals such as pilots, air traffic controllers, aircraft dispatchers, and aircraft technicians. This course will explore the fundamentals of aircraft and spacecraft flight as well as the history and development of the aviation industry.

FLTEC 302 Aviation Weather

Units: 3
Hours: 54 hours LEC
Prerequisite: FLTEC 320 with a grade of "C" or better
Transferable: CSU

This aviation related meteorology course is designed for pilots, air traffic controllers, and aircraft dispatchers. It covers basic weather phenomena, hazards, and prognostics as they apply to flight. Use and interpretation of Federal Aviation Administration (FAA) and National Weather Service (NWS) meteorological services are also explained.

FLTEC 303 Remote Pilot - Small Unmanned Aircraft Systems

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: The minimum age for issuance of an FAA Remote Pilot - sUAS certificate is 16 years of age. Certificates are issued subject to the results of a Transportation Security Administration personal threat assessment.
Transferable: CSU

This course prepares the student to take the FAA aeronautical knowledge test that is required for the issuance of a Remote Pilot - Small Unmanned Aircraft Systems certificate. Topics include federal and state regulations governing the use of Unmanned Aircraft Systems, airspace and aeronautical chart reading, aviation weather, and crew resource management.

FLTEC 304 Human Factors and Risk Management in Aviation

Units: 3
Hours: 54 hours LEC
Prerequisite: FLTEC 320 with a grade of "C" or better
Transferable: CSU

This course provides an overview of human factors that relate to aviation operations safety, risk evaluation and management, aeronautical decision making, and crew resource management. These factors will be used in analyzing how humans contribute to aircraft accidents and in developing risk management strategies.

FLTEC 305 Remote Pilot Flight Operations

Units: 3
Hours: 24 hours LEC; 90 hours LAB
Prerequisite: Must meet one of the following: Successful completion of or concurrent enrollment in FLTEC 303, or hold a current FAA Remote Pilot -Small Unmanned Aircraft Systems certificate.
Enrollment Limitation: Performance of actual flights are subject to acceptable weather and airspace conditions. If the instructor or instructional assistant observes a student operating an aircraft in an unsafe manner or a manner contrary to the requirements of 14 CFR Part 107 or the SCC Flight Operations Manual, the student will be removed from the course.
Transferable: CSU

This course is designed to give students practical experience in conducting commercial unmanned aerial vehicle flight operations. Students will develop basic flying skills and experience with small multi-rotor and fixed-wing unmanned aircraft. The course also includes gaining experience in developing and utilizing flight operations documentation and checklists. Students will be able to utilize these skills when using commercial UAV systems in a variety of future employment and research opportunities.

FLTEC 306 Federal Aviation Regulations

Units: 3
Hours: 54 hours LEC
Prerequisite: FLTEC 320 with a grade of "C" or better
Transferable: CSU

This course is an in-depth study of Title 14 of the Code of Federal Regulations, Parts 1, 5, 43, 61, 65, 68, 71, 73, 91, 110, 117, 119, 121, and 135, Letters of Agreement, Standard Operating Procedures, Aeronautical Information Manual (AIM), Title 49 Sections related to Aviation Security and the Safe Transport of Dangerous Goods by Air, and the National Transportation Safety Board (NTSB) 830 for reporting aircraft accidents. Students will research and apply the regulations to common aviation industry scenarios.

FLTEC 310 Instrument Pilot/Instructor Ground School

Units: 4
Hours: 72 hours LEC
Prerequisite: FLTEC 320 with a grade of “C” or better, or hold FAA Private Pilot Certificate, or successfully completed FAA Private Pilot Knowledge exam.
Transferable: CSU

This course is an introduction to the principles of instrument flying to include: Instrument Flight Rules (IFR), instruments, meteorology, navigation, IFR approaches, IFR departures, IFR enroute, communications, air traffic control, and aero medical factors. This course meets the Federal Aviation Administration (FAA) requirements for Instrument Pilot, Instrument Ground Instructor, and Instrument Flight Instructor written exam eligibility.

FLTEC 311 Aerial Photography-Remote System

Same As: PHOTO 341
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must hold a current FAA Remote Pilot-Small Unmanned Aircraft Systems certificate to participate in class.
Transferable: CSU

This course will prepare and train students in the latest aerial data capture and imaging techniques used commercially with remote drone pilots. The course is designed for those already certified by the FAA (Remote Pilot - Small UAS under 14 CFR Part 107) and pursuing competent skills in both navigating while simultaneously capturing and imaging destinations and activities specific to their industry. Topics include individual or team flight capture and imaging techniques, video vs. still capture compositions, effective gimbal operation and dynamic preprogramed flight capture. The course will also train students to edit and merge content for presentation in person and on the Internet. Credit may be earned for either PHOTO 341 or FLTEC 311 but not for both.

FLTEC 312 Air Navigation, Airspace, and Communication

Units: 3
Hours: 54 hours LEC
Prerequisite: FLTEC 100 or 300 with a grade of "C" or better
Transferable: CSU

This course is designed to teach the aeronautics student the basics of navigation, airspace, and communication. The

fundamentals of pilotage, dead reckoning, radio navigation using ground and spaced-based aids, and internal long-range navigation systems will be applied to flight planning. Requirements for airspace and air traffic controller communication will be covered.

FLTEC 314 Large Aircraft Systems

Units: 5
Hours: 90 hours LEC
Prerequisite: FLTEC 310, 320, and 330 with grades of "C" or better; or has documented evidence of the aviation experience requirements of 14 CFR 65.57(a).
Transferable: CSU

This Boeing 7XX Series general familiarization course is designed for students desiring to become pilots, air traffic controllers, air dispatchers, turbojet flight engineers, or technicians on large, complex aircraft typically flown by the airline industry. All Boeing systems will be covered in detail such as: avionics, hydraulics, pneumatics, pressurization, air conditioning, electrics, fire protection, ice and rain protection, engine operation, flight performance, and take-off and landing data. Weight and balance computations and emergency procedures will also be included.

FLTEC 319 Fundamentals of Instruction for Aviation Instructors

Units: 3
Hours: 54 hours LEC
Prerequisite: FLTEC 310, 320, and 321 with grades of "C" or better; Students who hold a valid and current FAA or ICAO-compliant Commercial pilot certificate with an Instrument rating may be admitted without completing the prerequisite courses.
Advisory: COMM 301 and FLTEC 320 with grades of "C" or better. Students should have at least one year of specific aviation technical experience as well as one FAA airman certificate such as: Private Pilot, Airframe and Powerplant Mechanic, Aircraft Dispatcher, Air Traffic Controller, Parachute Rigger, Navigator, or Flight Engineer.
Transferable: CSU

This course provides in-depth instruction in the Fundamentals of Instruction (FOI) for aviation flight and ground instructors as required by the Federal Aviation Administration (FAA), under Part 61 of Title 14 of the Code of Federal Regulations (14 CFR 61.185(a)(1) and 61.213(a)(3)). Students will be required to develop detailed written syllabi and deliver an oral presentation that meets FAA standards of instruction.

Information regarding aircraft categories other than airplane or helicopter (i.e. airship, balloon, glider) required for the Advanced Ground Instructor rating will be also be presented.

FLTEC 320 Private Pilot Ground School

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

The basic principles of flight, meteorology, navigation, communication, weight and balance, aircraft systems and instruments, performance, flight procedures, air traffic control, and regulations will be explained. The course provides the necessary information that will enable the student to be eligible to take the Private Pilot, Sport Pilot, and basic Certificated Ground School Instructor knowledge exam.

FLTEC 321 Commercial Pilot Ground School

Units: 3
Hours: 54 hours LEC
Prerequisite: FLTEC 320 with a grade of "C" or better; or Instructor's Permission.
Transferable: CSU

This course is an in-depth study of the principles of meteorology, aviation, navigation, communication, advanced weight and balance, aircraft structures, aircraft systems, instruments, performance, theory of flight, and Federal Aviation Regulations (FAR). This course meets the Federal Aviation Administration (FAA) eligibility requirements for Commercial Pilot and/or Advanced Ground School Instructor written exam.

FLTEC 330 Airplane Aerodynamics

Units: 3
Hours: 54 hours LEC
Prerequisite: FLTEC 320 with a grade of "C" or better
Transferable: CSU

This course provides in-depth instruction in the fundamentals of aerodynamics, nomenclature, common maneuvers, and emergency concerns for airplanes. This course is appropriate for pilots, flight instructors, aircraft mechanics, air traffic control specialists, or aircraft dispatchers.

FLTEC 340 Helicopter Aerodynamics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: FLTEC 320 with a grade of "C" or better
Transferable: CSU

This course is designed to provide in-depth instruction in the fundamentals of aerodynamics, nomenclature, common maneuvers, and emergency concerns for helicopters. This course would be appropriate for students pursuing a helicopter pilot and/or flight instructor, aircraft mechanic, or air traffic control and/or aircraft dispatcher certificate.

FLTEC 350 Private Pilot-Helicopter Flight Techniques

Units: 3
Hours: 162 hours LAB
Prerequisite: FLTEC 100, 302, 304, 306, 312, 320, and 330 with grades of "C" or better
Enrollment Limitation: If student is not a U.S. Citizen the student must complete the required Transportation Security Administration background check prior to enrollment. Student must obtain required FAA Medical Certificate verifying student meets current FAA medical fitness requirements. Student must read, write, and speak the English language.
Transferable: CSU

The course will provide the flight training and experience required to safely exercise the privileges and responsibilities of a helicopter Private Pilot. Course content includes instruction in aerodynamics, aircraft systems, Federal Aviation Administration regulations, U.S. Airspace System, weight and balance, aircraft

performance, aviation weather, flight publications, radio navigation, cross-country planning and navigation, basic flight physiology, and flight safety. The student must complete the appropriate flight lessons and receive FAA Private Pilot certification to satisfactorily complete the course.

FLTEC 352 Instrument Pilot-Helicopter Flight Techniques

Units: 3
Hours: 162 hours LAB
Prerequisite: FLTEC 100, 302, 304, 306, 310, 312, 320, and 330 with grades of "C" or better
Enrollment Limitation: If student is not a U.S. Citizen the student must complete the required Transportation Security Administration background check prior to enrollment. Student must obtain required FAA Medical Certificate verifying student meets current FAA medical fitness requirements. Student must read, write, and speak the English language. Student must possess an FAA Private Pilot-Helicopter certificate. Student must have accrued required flight experience.
Transferable: CSU

The course will provide the flight training and experience required to allow the addition of an Instrument-Rotorcraft rating to a student's existing pilot certificate. Course content includes instruction in aircraft systems, Federal Aviation Administration regulations, U.S. Airspace System, weight and balance, aircraft performance, aviation weather, flight publications, radio navigation, cross-country planning and navigation, basic attitude instrument flying, instrument approach procedures and techniques, and flight safety. The student must complete the appropriate flight lessons and receive FAA Instrument-Airplane certification to satisfactorily complete the course.

FLTEC 354 Commercial Pilot-Helicopter Flight Techniques

Units: 1
Hours: 54 hours LAB
Prerequisite: FLTEC 100, 302, 304, 306, 312, 321, and 330 with grades of "C" or better
Enrollment Limitation: If student is not a U.S. Citizen the student must complete the required Transportation Security Administration background check prior to enrollment. Student must obtain required FAA Medical Certificate verifying student meets current FAA medical fitness requirements. Student must read, write, and speak the English language. Student must possess an FAA Private Pilot-Helicopter certificate. Student must have accrued required flight experience.
Transferable: CSU

This course will provide the flight training and experience required to safely exercise the privileges and responsibilities of a helicopter Commercial Pilot. Course content includes instruction in Federal Aviation Administration regulations, U.S. Airspace System, weight and balance, helicopter performance, aviation weather, flight publications, radio navigation, cross-country planning and navigation, complex and high-performance helicopter systems and operation, and flight safety. The student must complete the appropriate flight lessons and receive FAA Commercial Pilot-Rotorcraft certification to satisfactorily complete the course.

FLTEC 360 Private Pilot-Airplane Flight Techniques

Units: 3
Hours: 162 hours LAB
Prerequisite: FLTEC 100 or 300 with a grade of "C" or better
Enrollment Limitation: If student is not a U.S. Citizen, the student must complete the required Transportation Security Administration background check prior to enrollment. Student must obtain an FAA Medical Certificate verifying that the student meets current FAA medical fitness requirements. 14 CFR requires that the student must read, write, speak and understand the English language. FAA guidance on language proficiency can be found in the current version of Advisory Circular AC60-28 and the Level 4 proficiency standards of ICAO Doc 9835.
Transferable: CSU

The course will provide the flight training and experience required to safely exercise the privileges and responsibilities of an airplane Private Pilot.

Course content includes instruction in aerodynamics, aircraft systems, Federal Aviation Administration regulations, U.S. Airspace System, weight and balance, aircraft performance, aviation weather, flight publications, radio navigation, cross-country planning and navigation, basic flight physiology, and flight safety. The student must complete the appropriate flight lessons and receive FAA Private Pilot certification to satisfactorily complete the course.

FLTEC 362 Instrument Pilot-Airplane Flight Techniques

Units: 3
Hours: 162 hours LAB
Prerequisite: FLTEC 100, 302, 304, 306, 310, 312, 320, and 330 with grades of "C" or better
Enrollment Limitation: If student is not a U.S. Citizen, the student must complete the required Transportation Security Administration background check prior to enrollment. The student must obtain an FAA Medical Certificate verifying that the student meets current FAA medical fitness requirements. 14 CFR requires that the student must read, write, speak and understand the English language. FAA guidance on language proficiency can be found in the current version of Advisory Circular AC60-28 and the Level 4 proficiency standards of ICAO Doc 9835. The student must possess an FAA Private Pilot-Airplane certificate. The student must have accrued required flight experience by 14 CFR Part 61.
Transferable: CSU

The course will provide the flight training and experience required to allow the addition of an Instrument-Airplane rating to a student's existing pilot certificate. Course content includes instruction in aircraft systems, Federal Aviation Administration regulations, U.S. Airspace System, weight and balance, aircraft performance, aviation weather, flight publications, radio navigation, cross-country planning and navigation, basic attitude instrument flying, instrument approach procedures and techniques, and flight safety. The student must complete the appropriate flight lessons and receive FAA Instrument-Airplane certification to satisfactorily complete the course.

FLTEC 364 Commercial Pilot-Airplane Flight Techniques

Units: 2
Hours: 108 hours LAB
Prerequisite: FLTEC 302, 304, 306, 312, 321, 330, 360, and 362 with grades of "C" or better; Must hold or obtain an FAA

First or Second Class medical certificate issued under 14 CFR Part 67.
Enrollment Limitation: If student is not a U.S. Citizen, the student must complete the required Transportation Security Administration background check prior to enrollment. Student must obtain the required FAA Medical Certificate verifying that the student meets current FAA medical fitness requirements. 14 CFR requires that the student must read, write, speak and understand the English language. FAA guidance on language proficiency can be found in the current version of Advisory Circular AC60-28 and the Level 4 proficiency standards of ICAO Doc 9835. Student must possess an FAA Private Pilot-Airplane certificate. Student must have accrued required flight experience as required by 14 CFR Part 61.
Transferable: CSU

This course further develops and refines the knowledge and skills of pilots desiring careers as professional pilots. Course content includes instruction in Federal Aviation Administration regulations, U.S. Airspace System, weight and balance, aircraft performance, aviation weather, flight publications, radio navigation, cross-country planning and navigation, complex and high-performance aircraft systems and operation, and flight safety. The student must complete the appropriate flight lessons and receive FAA Commercial Pilot-Airplane certification to satisfactorily complete the course.

FLTEC 499 Experimental Offering in Flight Technology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Biological Sciences

Biology is the scientific study of life, from molecules to cells, and organisms to ecosystems, including their evolution and interactions with the environment. The Biology A.S. degree is designed to give students a flexible academic foundation to meet transfer requirements for upper division coursework in the biological sciences, participate in the workplace, or meet personal goals. The Biology major is also designed for students planning to pursue careers in medicine, dentistry, pharmacy, or veterinary medicine. For all students pursuing transfer to any four-year program or professional school, it is critical that students meet with a counselor because major and general education requirements vary for each college/university. For students who plan to complete a baccalaureate degree in biology or similar major at a California State University (CSU), The Associate in Science in Biology for Transfer (AS-T) degree is the recommended transfer pathway.

Our courses also support the Allied Health fields providing the needed prerequisite academic and technical knowledge necessary for success in a wide variety of medical and dental fields. We also offer a number of courses that fulfill the science requirements of students in other majors. These include contemporary general biology, natural history, environmental biology, entomology, marine biology, dinosaurs, ornithology, and ethnobotany.

Degrees and Certificates Offered

A.S.-T. in Biology

A.S. in Biology

Field Ecology Certificate

Dean Rose Giordano Ph.D.

Department Chairs Palwasha Arya, M.S.
Andrea Greenwell, M.S.

Phone (916) 558-2470 and (916) 558-2208

Associate Degrees for Transfer

A.S.-T. in Biology

The Associate in Science in Biology for Transfer is designed to prepare students for transfer to a baccalaureate degree program at the California State University in biology or the biological sciences, including molecular biology, cell biology, marine biology, botany, zoology, ecology, environmental science, evolution, genetics, microbiology, and agricultural science. Upon completion of the Associate in Science in Biology for Transfer, students will seamlessly transfer with junior standing to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis.

The Associate in Science in Biology for Transfer is intended specifically for students planning to transfer to a California State University. It is critical for all students to meet with an SCC counselor and to consult with the transfer institution to determine if any university program is impacted or has additional pre-transfer requirements. Completion of the Associate in Science in Biology for Transfer may not prepare students to transfer to the University of California or other colleges or universities offering a degree in biology or in the biological sciences, as these baccalaureate degree programs may have different requirements. If a student intends to transfer to the University of California, additional courses in chemistry, physics, and math may be required.

Degree Requirements

Course Code	Course Title	Units
BIOL 402	Cell and Molecular Biology	5
BIOL 412	Plant Biology	5
BIOL 422	Animal Biology	5
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
MATH 350	Calculus for the Life and Social Sciences I	3
PHYS 350	General Physics	4
PHYS 360	General Physics	4
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
Total Units:		**39**

The Associate in Science in Biology for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply the scientific method to pose questions and test hypotheses about the natural world.
- evaluate the design, analysis, and interpretation of scientific experiments.
- successfully perform biological laboratory techniques, including microscopy, and understand laboratory safety protocols.
- define and correctly use a core set of scientific terminology relevant to biological organisms and principles.
- write clear, well organized essays or research papers that demonstrate the ability to integrate the chemical,

cellular, organismal, population, and ecosystem levels of biological organization into explanations of biological processes.

- demonstrate an understanding of biological evolution by explaining the diversity and unity of life in terms of evolutionary mechanisms including natural selection.
- apply biological principles to successfully complete upper division coursework in general biology, cell biology, molecular biology, genetics, botany, zoology, marine biology, anatomy, physiology, ecology, and evolution.
- apply the process of science and scientific skills in order to successfully participate in supervised research in a biological science.

Career Information

Biologists work as laboratory technologists, x-ray and respiratory technologists, physical therapists, physicians, nurses, and researchers in the medical field; as foresters, wildlife and fisheries biologists, field ecologists, ethnobiologists, botanists, entomologists, and others in field biology and ecology; as veterinary technicians, researchers, and doctors in veterinary medicine; as agronomists, plant pathologists, enologists, and pest management specialists in agriculture; as educators in K-12 schools, community colleges, and universities; and in many other careers.

Associate Degrees

A.S. in Biology

Biology is the scientific study of life, from molecules to cells, and organisms to ecosystems, including their evolution and interactions with the environment. The Biology A.S. degree is designed to give students a flexible academic foundation to meet transfer requirements for upper division coursework in the biological sciences, participate in the workplace, or meet personal goals. The Biology major is also designed for students planning to pursue careers in medicine, dentistry, pharmacy, or veterinary medicine. For all students pursuing transfer to any four-year program or professional school, it is critical that students meet with a counselor because major and general education requirements vary for each college/university. For students who plan to complete a baccalaureate degree in biology or similar major at a California State University (CSU), The Associate in Science in Biology for Transfer (AS-T) degree is the recommended transfer pathway.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I (5)	5
or CHEM 305	Introduction to Chemistry (5)	
or CHEM 309	Integrated General, Organic, and Biological Chemistry (5)	
A minimum of 10 units from the following:		10
BIOL 402	Cell and Molecular Biology (5)	
BIOL 412	Plant Biology (5)	
BIOL 422	Animal Biology (5)	
BIOL 430	Anatomy and Physiology (5)	
BIOL 431	Anatomy and Physiology (5)	
BIOL 440	General Microbiology (4)	
A minimum of 8 units from the following:		8
BIOL 100	Introduction to Concepts of Human Anatomy and Physiology (3)	
BIOL 305	Natural History (4)	
BIOL 308	Contemporary Biology (3)	
BIOL 309	Contemporary Biology Laboratory (1)	
BIOL 314	Dinosaurs and the Science of Life (3)	
BIOL 315	Dinosaurs and the Science of Life Laboratory (1)	
BIOL 320	Field Botany (3)	
BIOL 326	Ethnobotany (3)	
BIOL 327	Ethnobotany Laboratory (1)	
BIOL 330	Introduction to Entomology (3)	
BIOL 332	Introduction to Ornithology (4)	
BIOL 342	The New Plagues: New and Ancient Infectious Diseases Threatening World Health (3)	
BIOL 350	Environmental Biology (3)	
BIOL 360	Environmental Regulations (3)	
BIOL 362	Field Methods in Ecology (4)	
BIOL 364	Restoration Ecology (2)	
BIOL 370	Marine Biology (4)	
BIOL 402	Cell and Molecular Biology (5)	
BIOL 412	Plant Biology (5)	
BIOL 422	Animal Biology (5)	
BIOL 430	Anatomy and Physiology (5)	
BIOL 431	Anatomy and Physiology (5)	
BIOL 434	Pathology: The Study of Disease (3)	
BIOL 440	General Microbiology (4)	
Total Units:		**23**

The Biology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- use the scientific method to pose questions and test hypotheses about the natural world.
- evaluate the design, analysis, and interpretation of scientific experiments.
- demonstrate an understanding of the process of biological evolution by the mechanism of natural selection.
- use and understand biological laboratory techniques and safety protocols.
- recognize and define a core set of biological terms and principles.

- compile and analyze data generated through experimentation.

Career Information

Biologists work as laboratory technologists, x-ray and respiratory technologists, physical therapists, physicians, nurses, and researchers in the medical field; as foresters, wildlife and fisheries biologists, field ecologists, ethnobiologists, botanists, entomologists, and others in field biology and ecology; as veterinary technicians, researchers, and doctors in veterinary medicine; as agronomists, plant pathologists, enologists, and pest management specialists in agriculture; as educators in K-12 schools, community colleges, and universities; and in many other careers.

Certificate of Achievement

Field Ecology Certificate

The Field Ecology Certificate program provides the training and education necessary to succeed in government agencies, private businesses, and non-profits that provide field ecology services. The certificate provides the opportunity to learn ecological field methods including identification of flora and fauna, quantitative assessment methods, wetland delineations, regulatory processes, restoration ecology, and geographic information systems. In addition to field methods, students will receive education in general ecological principles.

Two pathways to obtain the certificate exist for this program (students will choose only one of these pathways). Both pathways require the same core courses and only vary in their elective components. Pathway 1 is oriented toward students pursuing their Associate in Science degree in Biology and allows use of either BIOL 412 (Plant Biology) or BIOL 422 (Animal Biology) to partially meet unit requirements for elective courses in the program. Pathway 2 is oriented toward students not pursuing their Biology degree; and unit requirements for elective courses are entirely obtained from the list of elective courses in the program.

Certificate Requirements

Course Code	Course Title	Units
BIOL 305	Natural History	4
BIOL 320	Field Botany	3
BIOL 360	Environmental Regulations	3
BIOL 362	Field Methods in Ecology	4
Subtotal Units:		**14**

Pathway 1 (For students also pursuing an Associate in Science Degree in Biology)

Course Code	Course Title	Units
BIOL 412	Plant Biology (5)	5
or BIOL 422	Animal Biology (5)	
A minimum of 5 units from the following:		5
BIOL 321	Advanced Field Botany (3)	
BIOL 326	Ethnobotany (3)	
BIOL 327	Ethnobotany Laboratory (1)	
BIOL 330	Introduction to Entomology (3)	
BIOL 332	Introduction to Ornithology (4)	
BIOL 350	Environmental Biology (3)	
BIOL 352	Conservation Biology (3)	
BIOL 364	Restoration Ecology (2)	
BIOL 370	Marine Biology (4)	
BIOLFS 310	Natural History Field Study: Mojave Desert (2)	
BIOLFS 311	Natural History Field Study: Advanced Study of the Mojave Desert (2)	
BIOLFS 350	Natural History Field Study: Sierra Nevada Plants (2)	
CHEM 320	Environmental Chemistry (4)	
GEOG 331	Exploring Maps and Geographic Technologies (3)	
GEOG 334	Introduction to GIS Software Applications (3)	
GEOL 345	Geology of California (3)	
Pathway 1 (For students also pursuing an Associate in Science Degree in Biology) Units:		10
Total Units:		**24**

Pathway 2 (For students pursuing only the Field Ecology Certificate)

Course Code	Course Title	Units
A minimum of 10 units from the following:		10
BIOL 321	Advanced Field Botany (3)	
BIOL 326	Ethnobotany (3)	
BIOL 327	Ethnobotany Laboratory (1)	
BIOL 330	Introduction to Entomology (3)	
BIOL 332	Introduction to Ornithology (4)	
BIOL 350	Environmental Biology (3)	
BIOL 352	Conservation Biology (3)	
BIOL 364	Restoration Ecology (2)	
BIOL 370	Marine Biology (4)	
BIOLFS 310	Natural History Field Study: Mojave Desert (2)	
BIOLFS 311	Natural History Field Study: Advanced Study of the Mojave Desert (2)	
BIOLFS 350	Natural History Field Study: Sierra Nevada Plants (2)	
CHEM 320	Environmental Chemistry (4)	
GEOG 331	Exploring Maps and Geographic Technologies (3)	
GEOG 334	Introduction to GIS Software Applications (3)	
GEOL 345	Geology of California (3)	

Course Code	Course Title	Units
Pathway 2 (For students pursuing only the Field Ecology Certificate) Units:		10
Total Units:		**24**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe the basic principles of ecology, particularly in the context of field oriented biology.
- identify flora and fauna of the region.
- assess ecosystem evaluation methods and demonstrate competence in ecosystem analysis methodologies.
- examine the regulatory processes and agencies involved with environmental regulations at the local, state, and federal levels.
- apply the evolutionary process to its role in ecosystems.
- collect biological and ecological data during field work opportunities.
- record data in a field notebook and on data sheets.
- operate equipment used for the field work component of the program (e.g. nets and other collecting equipment for fishery surveys, nets and sorting trays associated with benthic macro invertebrate surveys for rapid bioassessment, and soil extraction tools for assessment of wetland hydric soils.)
- analyze data collected during field experiments and investigations (e.g. fishery data collected from captured species, percentages of cover of native and non-native plant species from an experimental vegetation plot, determination of water quality characteristics based on sensitivities of benthic macro invertebrate taxonomic units).
- formulate strategies and methodologies for data collection in various field situations.

Career Information

The Field Ecology Certificate can fulfill the needs of agencies and private businesses, and non-profits for entry-level ecological and environmental technicians and field biologists. Entry-level jobs can be found in government resource agencies at the federal, state, and local levels and in private environmental consulting businesses and private non-profit environmental organizations. This certificate program will provide advancement opportunities to those currently employed in the environmental and resource professions. In addition to updating job skills, this certificate will provide new training and education opportunities for returning and continuing students.

Biology (BIOL) Courses

BIOL 100 Introduction to Concepts of Human Anatomy and Physiology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: AH 311, BIOL 290, ENGRD 110, and ENGWR 51 with grades of "C" or better
General Education: AA/AS Area IV

This introductory lecture course provides an overview of the basic anatomy and physiology of all 11 body systems and is required for students entering the licensed vocational nursing and occupational therapy assistant programs. The course emphasizes the direct connection between human activities (i.e. diet and lifestyle choices) and health of the body. It is designed for students having little or no background in the biological sciences. The course is also open to those intending to pursue studies in the biological sciences who need to strengthen or develop a vocabulary in human anatomy and physiology.

BIOL 290 Science Skills and Applications

Units: 0.5
Hours: 27 hours LAB
Prerequisite: None.
Corequisite: Concurrent enrollment in a science course

This course offers individualized instructional modules designed to provide or improve skills in the various science courses. A partial list of skills may include the following: textbook comprehension, principles of learning and retention, note taking, annotating, discipline-based vocabulary, paraphrasing, reading graphics, test taking, spatial ability, proportionality, and problem solving. Registration is open through the ninth week of the semester. To begin the course any later than that week would not permit completion of course material.

BIOL 299 Experimental Offering in Biology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

BIOL 305 Natural History

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B

The course is a survey of ecosystems in California with a special emphasis on the relationships between the species, adaptations of those species to their environment, and general ecological concepts. Students will explore the environment and diversity of organisms occurring in our geographical area but will be able to apply this knowledge to other areas as well. Attending a minimum of one field trip is required. The course is designed for the non-science major and is one of the core courses in the Field Ecology Certificate.

BIOL 308 Contemporary Biology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B

This course is a survey of biological science intended to equip the student to think and act intelligently with respect to contemporary issues in biology. Biological topics are introduced in a framework of natural selection. The course is for those not intending to major in biological sciences, particularly liberal studies majors. Genetics is a significant focus of the course, as are origin of cellular life, cellular physiology, and diversity of organisms. An optional laboratory illustrating these principles introduced is offered as a separate, one-unit course (BIOL 309).

BIOL 309 Contemporary Biology Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: BIOL 308
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5B; IGETC Area 5C

This course is an optional laboratory accompaniment to BIOL 308. The sessions will illustrate biological phenomena and their relationship to contemporary concerns and discoveries in biology.

BIOL 310 General Biology

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 and MATH 100 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C

This course introduces the major concepts of biological science with an emphasis on human biology. It is intended for non-science majors and disciplines requiring a broad overview of Biology or to meet transfer requirements. Topics covered include: scientific inquiry and literacy, cell biology, metabolism, Mendelian and molecular genetics, evolution, anatomy and physiology, animal behavior, and ecology. The laboratory activities are designed to further investigate and illuminate each topic area. Students may be required to purchase eye protection and disposable gloves. Field trips outside of class time may be required. Additionally, students may be required to provide their own transportation to field trip sites.

BIOL 314 Dinosaurs and the Science of Life

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B

This course investigates the evolution, form, function, and extinction of dinosaurs as a means of introducing students to scientific principles that are common to all forms of life on Earth. Topics will include scientific methodology; the mechanisms of evolution; the structure, early history, and geologic processes of the Earth; the evolutionary history of life on Earth; the diversity, ecology, physiology and behavior of dinosaurs; birds as dinosaurs. Additional topics will include proposed mechanisms of dinosaur extinction including meteorite impacts, volcanic plume events, global winters, global climate change, acid rain, and how each may occur today; genetics, the structure and function of DNA, cellular reproduction, cloning and stem cell technologies and whether they can be used to resurrect extinct organisms such as dinosaurs.

BIOL 315 Dinosaurs and the Science of Life Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: BIOL 314 or prior completion of BIOL 314 with a grade of "C" or better.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area B3; IGETC Area 5C

This course is an optional laboratory component to accompany BIOL 314. The laboratory sessions will allow students to engage in hands-on investigations to broaden and deepen their understanding of concepts discussed and developed in BIOL 314. Students may take this course either concurrently with or any time after completion of BIOL 314.

BIOL 320 Field Botany

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area IV

This course is designed for both science and nonscience students to learn about plant taxonomy. Students will learn about the classification of flowering plants, how to identify plant species, and will become familiar with native plants of California as well as their ecological relationships and historical uses. A plant collection and a minimum of 10 field trips are required. Field trip locations may include Table Mountain, Marin Headlands, vernal pool sites, and other locations where plants can be observed in their natural surroundings.

BIOL 321 Advanced Field Botany

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: BIOL 320 with a grade of "C" or better
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV

This course is designed for both science and non-science students to broaden and deepen their knowledge of plant taxonomy. Students will learn the technical aspects of the

dynamic nature of the classification of flowering plants and expand their ability to identify plant families, genera, and species in the field. Students will become familiar with additional native and non-native plants of California as well as their ecological relationships and conservation status. The role of herbaria in the conservation of plant taxa and plant communities will be addressed and students will practice mounting and labeling plant specimens for inclusion in an herbarium collection. A plant collection and a minimum of seven (7) field trips are required. Field trip locations may include Table Mountain, Marin Headlands, Jepson Prairie, Traverse Creek, and other locations where plants can be observed in their natural surroundings.

BIOL 326 Ethnobotany

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B

This introductory lecture course focuses on the concepts, questions, and methods of ethnobotany (the scientific study of the interactions between plants and humans). Students will use the scientific method to investigate the ecological and biological traits of plants, how these traits have shaped multicultural human use, and, in turn, been affected by humans. Topics include plant structure and reproduction, biodiversity and plant evolution in natural and cultivated systems, traditional ecological knowledge and management techniques, ethnobotanical research methods and ethical issues, and a comparison of plant use by various cultures for food, medicine, shelter, basketry, and dyes.

BIOL 327 Ethnobotany Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: BIOL 326 or prior completion of BIOL 326 with a grade of “C” or better.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5C

This introductory laboratory course is designed to be taken after or concurrently with BIOL 326 (Ethnobotany). This course focuses on the concepts, questions, and methods of ethnobotany (the scientific study of the interactions between plants and humans). Students will use the scientific method to investigate the ecological and biological traits of plants, how these traits have shaped multicultural human use, and, in turn, been affected by humans. Topics include plant structure and reproduction, biodiversity and plant evolution in natural and cultivated systems, traditional ecological knowledge and management techniques, ethnobotanical research methods, and investigation of plant use for food, medicine, dyes, shelter, and other uses.

BIOL 330 Introduction to Entomology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area IV

This course provides an introduction to the science of entomology. Entomology examines the great diversity of insects, both in numbers as well as their life histories. The course introduces students to the variety found in insects: their structure and functions, their habits, their evolutionary biology, and their significance to humans. In addition, students will learn to identify orders and major families of insects. Due to their diversity and presence in all kinds of environments, insects provide a good framework for making scientific observations and for applying the scientific method to their studies. Attendance of one field trip may be required to complete the semester project.

BIOL 332 Introduction to Ornithology

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C

This course investigates the evolution, ecology, and conservation of birds as a means of introducing scientific principles common to all life forms. Using birds as models, lecture and lab topics include scientific methodology; evolutionary principles including evolutionary mechanisms and phylogenetics; the structure and function of physiological and sensory systems; behavioral ecology such as foraging, competition, migration and navigation, breeding, social behavior, communication, and intelligence; and current research and conservation topics. Laboratory work teaches the scientific method; evolutionary mechanisms; and taxonomic classification and identification of birds, particularly those found in California and the western United States. Several field trips to study wild birds in regional habitats are required (total cost per student for field trips is approximately $25-$40). This course may be used as an elective by students in the Field Ecology Certificate Program or majoring in Biology, and also is suitable for non-majors.

BIOL 342 The New Plagues: New and Ancient Infectious Diseases Threatening World Health

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area E1; IGETC Area 5B

This course will explore the biology, epidemiology, and pathology of selected pathogenic prions, viruses, bacteria, protozoa, and helminthes threatening public health worldwide. The course will also explore how human behavior and human activities have catalyzed the emergence of new infectious diseases and re-emergence of ancient plagues.

BIOL 349 Applied Microbiology: Scientific Literacy through Practical Uses of Microbiology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: BIOL 308, BIOL 342, BIOL 402, BIOL 440, or CHEM 400 with a grade of "C" or better
Transferable: UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B

In this course, the student will use applied microbiology as a means for learning scientific literacy. The student will learn microbiology fundamentals, including relevant genetics and biochemistry, as it is applied to a range of topics such as bioremediation, medicine and fuel production, and genetically modified organisms (GMOs). Most importantly, the student will learn how to connect ideas, evaluate scientific evidence, and think critically about controversial issues relevant to microbiology such as bioremediation, diminishing global food and fuel resources, and gene editing. This fast-paced course is intended for ambitious non-science majors who are interested in gaining scientific literacy by exploring the non-infectious-disease applications of microbiology, understanding the connection between science and the media, and how microbiology affects our everyday lives.

BIOL 350 Environmental Biology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B

This course provides both biology majors and non-majors with instruction in human interactions with the environment and resolutions to potential conflicts that develop due to this interaction. Understanding how life affects environments and ecosystems is an integral part of the biological sciences. To achieve this understanding, biological and ecological principles are examined as they relate to the natural environment. Major topics include the function and structure of ecosystems and ecological processes, the effects of natural selection on populations, the role of biodiversity on the maintenance of ecosystems, the variety of human impacts on terrestrial, aquatic, and atmospheric systems, potential solutions to adverse impacts, and the application of the scientific method in the examination of these effects. Attendance on one class field trip is required in this course.

BIOL 351 Global Climate Change

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B

This interdisciplinary course explores the natural and human factors causing the Earth’s climate to change. Whether alarmed, skeptical, or just curious about climate change, students will acquire the scientific tools to analyze the evidence that climate change is a looming threat. Through lectures, readings, discussions and projects, students will examine the Earth’s present and past climates as well as the influence of climate on the geographical distribution and diversity of plants and animals, extinction, and on human societies.

BIOL 352 Conservation Biology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B

This introductory course covers biological and ecological principles involved in understanding and analyzing environmental problems and exploring scientifically sound conservation techniques. Major topics include the nature of science, basic principles of ecology, genetics and evolution, patterns of biodiversity and extinction, and the interdependence between humans and our environment. This course places emphasis on scientific processes and methodology and the application of science to conservation issues. Two field trips and/or a semester project may be required. Field trips may incur a program cost (such as admission to a museum, aquarium, or zoo) which will be announced at the beginning of the semester.

BIOL 360 Environmental Regulations

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: BIOL 305 (Natural History) and ENGWR 300 (College Composition) with grades of "C" or better.
Transferable: CSU

This course examines the environmental regulatory process in California with applicable Federal and California environmental laws being studied and discussed. Relevant Federal regulations include: The National Environmental Policy Act, Federal Endangered Species Act, Marine Mammal Protection Act, Clean Water Act, Clean Air Act, Fish and Wildlife Coordination Act, Coastal Zone Management Act, Resource Conservation and Recover Act, Superfund, and the Rivers and Harbors Act. Relevant California regulations include: California Environmental Quality Act, California Endangered Species Act, California Coastal Act, Natural Communities Conservation Planning process, Streambed Alteration Agreements, and California Water Law. In addition, the jurisdictional wetland delineation process will be studied in detail including field work to demonstrate the process. Students will be introduced to these regulations during lectures and will participate in discussions of the regulatory process. One field trip is required.

BIOL 362 Field Methods in Ecology

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: BIOL 305 (Natural History) AND BIOL 320 (Field Botany) or equivalent college-level courses (college-level ecology course with lecture and lab may substitute for BIOL 305; plant taxonomy course using the Jepson Manual may substitute for BIOL 320) with a grade of "C" or better.

Advisory: Students must be in good health and be able to hike moderate distances through rough terrain.
Transferable: CSU

This course is an introduction to methods for sampling and studying a variety of organisms in the field with a particular emphasis on the vegetation, macroinvertebrates, fish, and wildlife of the area. The goals are to gain experience and develop skills in the following areas: Identification of plants and animals, first-hand knowledge of a wide array of organism life histories, quantitative field research techniques and procedures applicable to plants and animals, and recording of data and observations in a field notebook. Required field trips (approximately eight) to local and regional habitats focus on seasonally relevant events, processes, and appropriate methodologies to study these communities. Extensive field work is required; therefore, students need to be in appropriate physical condition to successfully navigate uneven ground and withstand adverse weather conditions.

BIOL 364 Restoration Ecology

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better.
Transferable: CSU

Restoration ecology is the science of creation, management, and perpetuation of wildlife and wetland habitat. This course will examine this subject through lectures providing requisite knowledge of principles in ecology, evolution, and biodiversity. These principles are applied to existing and on-going habitat restoration techniques in the Sacramento area. Several field trips to local restoration sites occur during the course.

BIOL 370 Marine Biology

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better; Students must be in good health and be able to hike moderate distances through tough terrain.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C

This course is an introduction to marine biology and oceanography. It includes the study of marine vertebrates and invertebrates, tide pool and coastal ecology, sea water, tides, currents, marine geology, and coastal processes. Instruction includes both lab and lecture and required field trips to study intertidal plants and animals and coastal ecology. Three field trips are required. Two of these involve tent camping over one two-day and one three-day weekend and will focus on the North and Central California Coast. Students must supply their own food, tents, and sleeping bags. Students are responsible for field trip costs for camping, tours, and parking (approximately $50 - $80 per student). Field trip dates will be announced at the first class meeting.

BIOL 402 Cell and Molecular Biology

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: CHEM 400 with a grade of "C" or better
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C
C-ID: C-ID BIOL 190

This is the first semester of a three-semester sequence in general biology designed for biology majors. It is an introduction to many aspects of living cells, with an emphasis on the molecular level of organization. Topics include an introduction to biological molecules, enzymes, cell structure, respiration, photosynthesis, reproduction, genetics, and statistical analysis. The course also covers molecular genetics, structure and function of viruses, DNA technology, and genetic engineering techniques.

BIOL 412 Plant Biology

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: BIOL 402 or equivalent course with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C
C-ID: C-ID BIOL 155

This course is part of a three-semester general biology sequence designed for biology majors. BIOL 412 and BIOL 422 may be taken in any order after completion of BIOL 402 with a grade of C or better. BIOL 412 builds upon and applies concepts developed in Cell and Molecular Biology to the study of plants and general ecology. Topics covered include the diversity, taxonomy, and evolutionary trends observed among the cyanobacteria, algae, fungi, and plants, with special emphasis on higher plants; the comparative anatomy and physiology of higher plants; and general ecology, including population, community, and ecosystem dynamics. Two field trips are required. Possible locations include Pt. Reyes, Calaveras Big Trees, UC Davis, and others.

BIOL 422 Animal Biology

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: BIOL 402 or an equivalent college-level Cell and Molecular Biology course with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C
C-ID: C-ID BIOL 150

This is part of a three-semester sequence in general biology designed for biology majors. BIOL 412 and BIOL 422 may be taken in any order after completion of BIOL 402 with a grade of C or better. BIOL 422 builds upon and applies concepts developed in BIOL 402 to the study of animals and evolution. Topics covered include principles of evolution such as mechanisms of microevolutionary and macroevolutionary change, population genetics, speciation, extinction, and classification and phylogenetics; a survey of animal phyla and unicellular non-photosynthetic eukaryotic taxa; and animal embryology, development, life cycles, comparative anatomy and physiology, and behavior. Emphasis will be placed on the evolutionary relationships among animals, their adaptations to different environments and modes of life, and the evolutionary origins of novel characteristics throughout Animalia.

BIOL 430 Anatomy and Physiology

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: CHEM 305, 309, or 400 with a grade of "C" or better
Advisory: AH 311, BIOL 100, BIOL 290, or CHEM 306 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
C-ID: C-ID BIOL 115S

This course is an introduction to normal structure and function in humans. The course emphasizes an understanding of physiological principles as related to body structure. The course includes study of the basic principles of physiology and anatomy, general histology, and the integumentary, skeletal, muscular, and nervous systems. BIOL 431 follows BIOL 430 and is necessary for completion of the study of human anatomy and physiology.

BIOL 431 Anatomy and Physiology

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: CHEM 305 or CHEM 309 or CHEM 400 and BIOL 430 or the equivalent with grades of "C" or better.
Advisory: AH 311 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
C-ID: C-ID BIOL 115S

This course continues the study of normal structure and function in humans. Included in the course is the study of the circulatory, respiratory, digestive, urinary, reproductive, and endocrine systems. Special topics included in the course are pH, fluids, and electrolytes.

BIOL 434 Pathology: The Study of Disease

Units: 3
Hours: 54 hours LEC
Prerequisite: BIOL 431 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B

This course applies physiological concepts to the development of disease in humans. This course includes the pathogenesis, signs and symptoms, and treatment and care of major diseases and cancers of the organ systems of the body. Biochemical, cellular, and organ changes that take place during disease development will also be emphasized. This course is intended for students who are about to enter an allied health program.

BIOL 440 General Microbiology

Units: 4
Hours: 54 hours LEC; 72 hours LAB
Prerequisite: CHEM 305 or CHEM 309 or CHEM 400 or equivalent with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B

The course includes the study of selected evolutionary, ecological, morphological, physiological, and biochemical aspects of representative micro-organisms. The laboratory includes staining, microscopic examination and identification of microbes, prokaryotic ecology, aseptic technique and isolation of microbes, microbial growth media, control of microbial growth including antibiotic sensitivity testing, metabolism, genetics, taxonomy, protists, fungi, helminths, and arthropod vectors. This course is intended for students in allied health majors.

BIOL 494 Topics in Biology

Units: 0.5 - 4
Hours: 9 - 36 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to enable both science and non-science students to learn about recent developments in biology. Selected topics will not include those that are part of current course offerings. This course may be taken four times for credit providing there is no duplication of topics. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

BIOL 495 Independent Studies in Biology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: Student must obtain approval from an instructor to conduct an independent study with the appropriate instructor or instructors. Specific projects may not be available to a student.
Transferable: CSU

This course is for students who wish to develop an in-depth understanding in fundamental topics of biology and to learn to work in a collaborative atmosphere with instructors and other students. The independent studies may be pursued in the classroom, laboratory, and/or field studies. This is particularly valuable for biology and ecology students in preparation for independent research as part of their advanced degrees. Instructor approval is required to enroll in this course. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

BIOL 498 Work Experience in Biology

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: BIOL 305, 320, 360, and 362 with grades of "C" or better; A minimum of two of the following courses must be completed with grades of "C" or better: BIOL 305 (Natural History), BIOL 320 (Field Botany), BIOL 360 (Environmental Regulations), and BIOL 362 (Field Methods in Ecology); and, additionally a minimum of two of the elective courses in the Field Ecology Certificate program must be completed with a grade of "C" or better.
Advisory: ENGWR 300 with a grade of "C" or better.
Transferable: CSU

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending

classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

BIOL 499 Experimental Offering in Biology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Biology - Field Studies (BIOLFS) Courses

BIOLFS 310 Natural History Field Study: Mojave Desert

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: This course requires completion of a course application that can be obtained from the instructor.
Advisory: Students must be in good health and be able to hike moderate distances through a desert environment with uneven ground and in temperatures often above 100 degrees.
Transferable: CSU

This field course explores the plants, animals, and geological features of the Mojave Desert. Two lectures occur at Sacramento City College with a mandatory field trip of eight days to the Mojave Desert in Southern California. Accommodations are in a combination of outdoor tent camping for two nights and five nights at the Desert Studies Center field station or other lodging. Students provide their own tents, personal items, and personal field equipment. The course involves moderately strenuous hikes over uneven ground in the desert environment in temperatures that typically exceed 100 degrees F. A field station expense fee is due up to four weeks before the first day of class to cover the cost of accommodations, the cost of meals while at the Desert Studies Center, entrance fees to National Parks and Preserves, and transportation to and from the desert. If you have questions or need additional information, please contact David Wyatt at (916) 558-2406 or by e-mail at wyattd@scc.losrios.edu.

BIOLFS 311 Natural History Field Study: Advanced Study of the Mojave Desert

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: BIOLFS 310 with a grade of "B" or better
Enrollment Limitation: This course requires completion of a course application that can be obtained from the instructor.
Advisory: BIOL 305 with a grade of "C" or better; students must be in good health and be able to hike moderate distances through a desert environment with uneven ground and in temperatures often above 100 degrees.
Transferable: CSU

This multi-day field course provides an advanced opportunity for students to understand in greater detail ecological concepts associated with the xeric environment of the Mojave Desert. Examples of advanced research topics include: interspecific interactions, relationships between a species and their physical environment, desert resource management concerns, and effects of climate change on desert environments. BIOLFS 311 is an advanced extension of BIOLFS 310, Natural History Field Study: Mojave Desert, and provides the student with opportunities to mentor new students in BIOLFS 310 and serve in leadership roles during group learning exercises. These applied experiences and mentoring opportunities are highly desirable to natural resource agencies and to private environmental consultants. Prior completion of BIOLFS 310 (or equivalent) with an A or B grade is a pre-requisite for this course. This course provides elective units involving field experience for students in the Field Ecology Certificate program.

BIOLFS 312 Natural History Field Study: Baja California

Units: 4
Hours: 36 hours LEC; 108 hours LAB
Prerequisite: None.
Enrollment Limitation: This course requires completion of a written course application that can be obtained from the instructor.
Advisory: Students must be in good health and be able to hike moderate distances through a desert environment with uneven ground and in temperatures often above 100 degrees F.
Transferable: CSU

This field course explores the natural history of plants and animals of the desert and marine ecosystems of Baja California, Mexico, as well as historic and cultural sites. Three pre-trip lecture meetings will be held at Sacramento City College accompanied by a mandatory field trip of 14 days in Baja California. Accommodations include a combination of up to four nights in motels (during transit to and from Mexico) and ten nights at the field station in Bahia de Los Angeles (Baja California, Mexico). Students will supply their own bedding, personal items (toiletries, etc), and a limited amount of field equipment for use while at the field station. The course involves moderately strenuous hiking in temperatures generally in the high-90s to low-100s (with high humidity) as well as moderate swimming activities during snorkeling

expeditions. The program cost to the student will cover accommodations, meals at the field station, and fees required in Mexico. Transportation may also be covered by the program cost. A valid passport for entry to Mexico and re-entry into the United States is required. For any questions or additional information, please contact Steve James at (916) 650-2776 or by e-mail at jamess@scc.losrios.edu.

BIOLFS 324 Natural History Field Study: Sutter Buttes

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: None.
Enrollment Limitation: This course requires completion of a written course application that can be obtained from the instructor.
Advisory: Students must be in good health and be able to hike moderate distances through rough and uneven terrain.
Transferable: CSU

This field course explores the plants, animals, and geological features of the Sutter Buttes, called by many people the "world's smallest mountain range." This is a small, isolated cluster of eroded volcanic lava domes in the middle of the northern portion of California's Central Valley. Several lectures will occur at Sacramento City College with two mandatory field trips occurring during weekends. The field trips will occur over three days and will explore the habitats and organisms in a portion of the Sutter Buttes. The course involves moderately strenuous hikes over uneven ground thus students need to be in good health for these hikes. A $20 landowner access cost is required to enter the private properties in the Sutter Buttes. If you have questions or need additional information, please contact David Wyatt at (916) 558-2406 or by email at wyattd@scc.losrios.edu.

BIOLFS 350 Natural History Field Study: Sierra Nevada Plants

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: This course requires completion of a written course application.
Advisory: Students must be in good health and able to hike moderate distances in a high elevation environment with uneven ground and variable temperatures.
Transferable: CSU

This field course explores the plants of the Sierra Nevada and surrounding areas. Two to three lectures will occur at Sacramento City College with a mandatory field trip of eight days to the Sierra Nevada. No previous plant identification experience is required, yet intermediate as well as beginning students will benefit from this course. Topics include the identification and keying of plant species, plant adaptations and communities, and uses of plants. Accommodations will be primarily at field research stations (dorms or cabins), but may include outdoor tent camping, as needed. Students will provide their own sleeping bags and field gear. This course involves moderately strenuous hikes in the mountains and desert environments. A field station fee is due before the first pre-trip meeting to cover the cost of accommodations, meals, entrance fees, and transportation. If you have questions or need additional information, please contact Lisa Serafini at serafil@scc.losrios.edu. This course was formerly known as BIOL 398.

BIOLFS 495 Independent Studies in Field Biology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: The student must obtain approval from an instructor prior to enrollment in the course.
Advisory: Student must obtain approval from an instructor to conduct an independent study in field biology with that instructor or a combination of instructors. In addition, the student is advised to have previously completed a biology field studies course or have previous biological field experiences prior to enrollment in this course.
Transferable: CSU

This course is for students who wish to develop an in-depth understanding in fundamental topics of field biology and to learn and work in a collaborative atmosphere with instructors and other students. Independent studies are conducted in the field and in the laboratory. This is particularly valuable for biology and ecology students in preparation for independent research as part of their advanced degrees. Instructor approval is required to enroll in this course. Additionally the student is advised to have completed a prior field study course or have previous biological field experiences before enrolling in BIOLFS 495. An independent study project may involve extensive field activities that may occur in rugged and harsh conditions. Therefore, students would need to be in good physical health for most projects. UC transfer credit can be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 semester units required for admissions.

Business

Business is the art of making the most of your resources to minimize waste and maximize profit. All types of organizations are involved in some type of business activities, so you can choose a career from an amazingly broad spectrum of occupations in both for-profit and non-profit organizations. Most business people spend at least part of the day in an office environment, working on projects and daily tasks and meeting with clients, customers, or coworkers. Some occupations can involve significant travel, especially if working for a large, international organization. If you think you want to work in the business world but don't know in what career, pursuing a degree in business can help you decide, as these degrees cover a wide variety of subjects ranging from management to financial analysis to marketing.

Degrees and Certificates Offered

A.S.-T. in Business Administration
A.S. in Accounting
A.S. in Business, General
A.S. in Management
A.S. in Marketing, Advertising
A.S. in Marketing
A.S. in Real Estate
Accounting Clerk Certificate
Business Information Worker Certificate
Entrepreneurship Certificate
Full Charge Bookkeeper Certificate
Management Certificate
Marketing Certificate
Real Estate Certificate
Customer Service Certificate

Dean Dr. Deborah L. Saks
Department Chair Suzanne De Mey
Phone (916) 558-2581
Email DemeyS@scc.losrios.edu

Associate Degrees for Transfer

A.S.-T. in Business Administration

This Associate in Science in Business Administration for Transfer degree provides students with a major that fulfills the general requirements for seamless transfer to the California State University. Students with this degree will receive priority admission with junior status to the California State University System.

Students should work closely with their Sacramento City College counselors to ensure that they are taking the appropriate coursework to prepare for majoring in Business at the four year college to which they wish to transfer.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

Degree Requirements

Course Code	Course Title	Units
ACCT 301	Financial Accounting	4
ACCT 311	Managerial Accounting	4
BUS 340	Business Law (3)	3
or BUS 345	Law and Society (3)	
ECON 302	Principles of Macroeconomics	3
ECON 304	Principles of Microeconomics	3
A minimum of 3 units from the following:		3
MATH 340	Calculus for Business and Economics (3)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
A minimum of 5 units from the following:		5[1]
BUS 310	Business Communications (3)	
or BUS 300	Introduction to Business (3)	
CISA 305	Beginning Word Processing (2)	
CISA 315	Introduction to Electronic Spreadsheets (2)	
CISA 340	Presentation Graphics (2)	
CISC 310	Introduction to Computer Information Science (3)	
Total Units:		**25**

[1]Students can also select one of the following courses if not already used: MATH 340, STAT 300, or STAT 480.

The Associate in Science in Business Administration for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify and explain the major functional areas of business organizations including management, marketing, finance, and accounting.
- employ commonly used computer application programs to create relevant business documents.
- apply accounting and mathematical concepts and principles in making decisions about business operations.
- assess the relationships and inter-dependencies of economic, social, legal, and global environments in which businesses operate.
- define terms and concepts used in macroeconomics and microeconomics.
- compose effective oral and written communications in various business settings.
- research, develop, evaluate, and test possible solutions using creativity, critical thinking, and technology skills.

Career Information

The career opportunities in business include, but are not limited to: account executive, analyst, bank employee, manager, entrepreneur, financial planner, government service, insurance representative, investment counselor, public administration, product manager, purchasing agent, retail/ industrial sales, and stockbroker. Some options may require more than two years of study and additional licensing.

Associate Degrees

A.S. in Accounting

The Accounting degree is designed for students planning to seek accounting positions in business, industry, or government upon completion of the required course of study. The program also meets the needs of employed individuals seeking to learn applications of accounting theory as practiced in the field. The program provides the foundation for individuals to prepare financial statements and record business transactions for all types of business and industry. Students develop a strong knowledge base of U.S. Generally Accepted Accounting Principles (GAAP) and accounting procedures. Communication skills, teamwork, computer technology, and ethical behavior are also emphasized.

For those students interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that students meet with an SCC counselor to select and plan the courses to fulfill major requirements. Schools vary widely in terms of the required preparation. The courses that SCC requires for an A.S. degree in this major may be different from the requirements needed for a Bachelor's degree.

Degree Requirements

Course Code	Course Title	Units
ACCT 103	Intermediate Accounting - Part I	4
ACCT 104	Intermediate Accounting - Part II	4
ACCT 301	Financial Accounting	4
ACCT 311	Managerial Accounting	4
ACCT 341	Computerized Accounting	3
ACCT 361	Ethics, Fraud, and Legal Issues for Accountants	3
BUS 300	Introduction to Business	3
A minimum of 10 units from the following:		10[1]
ACCT 101	Fundamentals of College Accounting (3)	
ACCT 107	Auditing (3)	
ACCT 111	Cost Accounting (3)	
ACCT 121	Payroll Accounting (3)	
ACCT 123	Federal and California Individual Income Taxation (4)	
ACCT 151	Governmental Auditing (3)	
ACCT 153	Governmental Accounting (3)	
ACCT 343	Computer Spreadsheet Applications for Accounting (2)	
BUS 340	Business Law (3)	
CISA 315	Introduction to Electronic Spreadsheets (2)	
CISA 316	Intermediate Electronic Spreadsheets (2)	
CISC 310	Introduction to Computer Information Science (3)	
Total Units:		**35**

[1]ACCT 343 is Recommended

The Accounting Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- record, classify, summarize, and report the business transactions of a company.
- prepare financial statements in conformity with U.S. Generally Accepted Accounting Principles (GAAP).
- explain and integrate the role of ethics and standards of professional conduct in the accounting profession.
- demonstrate the ability to support management functions through budgeting, planning, and decision-making.
- integrate the principles of business, business law, and economics into accounting functions.
- apply principles of accounting to more advanced topics such as, but not limited to: individual taxation, auditing, governmental accounting, cost accounting, and payroll accounting.

Career Information

The Accounting degree is designed to provide the knowledge necessary for immediate employment at an entry or intermediate level accounting, recordkeeping, or clerk position with many private sector and government organizations. The degree is also designed to provide an excellent base of knowledge for those who would like to pursue an advanced degree in accounting, business, economics, or law. The accounting courses also meet unit requirements of local area governmental employers' promotional exams in accounting. All the accounting courses in this program can be used to meet unit requirements of the California State Board of Accountancy's Certified Public Accountant's exam.

A.S. in Business, General

This degree is designed to provide a strong foundation for students entering a variety of business fields in the private and public sectors. It includes coursework that is essential for entry-level positions and enhances the knowledge base of students who are seeking career progression.

Students should work closely with their Sacramento City College counselors to ensure this is the appropriate degree for their educational goals.

Degree Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting	3
BUS 300	Introduction to Business	3
BUS 310	Business Communications	3
BUS 330	Managing Diversity in the Workplace	3
BUS 340	Business Law	3
CISA 305	Beginning Word Processing (2)	2
or CISA 306	Intermediate Word Processing (2)	
CISA 315	Introduction to Electronic Spreadsheets (2)	2
or CISA 316	Intermediate Electronic Spreadsheets (2)	
CISC 310	Introduction to Computer Information Science	3
ECON 302	Principles of Macroeconomics (3)	3
or ECON 100	Introduction to Economics (3)	
A minimum of 3 units from the following:		3
BUS 105	Business Mathematics (3)	
BUS 320	Concepts in Personal Finance (3)	
ECON 310	Statistics for Business and Economics (3)	
A minimum of 6 units from the following:		6
MGMT 304	Principles of Management (3)	
MGMT 309	Introduction to Supervision (3)	
MGMT 372	Human Relations and Organizational Behavior (3)	
MKT 300	Principles of Marketing (3)	
MKT 330	Internet Marketing (3)	
Total Units:		**34**

The Business, General Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain the major functional areas of business organizations including management, marketing, finance, and accounting.
- demonstrate leadership skills and abilities that are effective in managing a multicultural workforce.
- analyze practical business problems and utilize critical thinking and research skills in the evaluation of alternative solutions.
- apply accounting concepts and principles in making decisions about business operations.
- integrate management principles related to finance, personnel, products, services, and information.
- incorporate effective verbal and written communication skills in various business settings.
- utilize commonly used computer application programs to compose relevant business documents.

Career Information

Career opportunities in business include, but are not limited to: account executive, analyst, bank employee, buyer, clerk, data-entry clerk, data-entry specialist, entrepreneur, government service, insurance representative, manager, marketing, marketing research, office assistant, public administration, purchasing agent, retail/industrial sales.

A.S. in Management

This program is designed for those who wish to progress to positions of responsibility and management in business. Its strong management focus provides the knowledge and skills needed by managers in a wide variety of organizations. Topics include management communication, human resources, organizational behavior, supervision, diversity management, business law, accounting, economics, finance, and business computer applications.

Degree Requirements

Course Code	Course Title	Units
ACCT 301	Financial Accounting	4
BUS 300	Introduction to Business	3
BUS 330	Managing Diversity in the Workplace	3
MGMT 304	Principles of Management	3
MGMT 309	Introduction to Supervision	3
MGMT 372	Human Relations and Organizational Behavior	3
A minimum of 3 units from the following:		3
BUS 105	Business Mathematics (3)	
ECON 310	Statistics for Business and Economics (3)	
A minimum of 9 units from the following:		9
BUS 310	Business Communications (3)	
BUS 345	Law and Society (3)	

Course Code	Course Title	Units
or BUS 340	Business Law (3)	
CISA 306	Intermediate Word Processing (2)	
or CISA 305	Beginning Word Processing (2)	
CISA 315	Introduction to Electronic Spreadsheets (2)	
or CISA 316	Intermediate Electronic Spreadsheets (2)	
ECON 100	Introduction to Economics (3)	
or ECON 302	Principles of Macroeconomics (3)	
A minimum of 6 units from the following:		6
ACCT 311	Managerial Accounting (4)	
MGMT 308	Personnel and Human Resources Management (3)	
MKT 300	Principles of Marketing (3)	
MKT 330	Internet Marketing (3)	
Total Units:		**37**

The Management Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze real or potential business problems and research, develop, evaluate, and test possible solutions using creativity, critical thinking, and technology skills.
- compare, judge, and evaluate a variety of current management philosophies when applied to business management situations.
- demonstrate individual responsibility, personal integrity, respect, and leadership skills and abilities that are effective in managing diverse people and cultures.
- develop effective oral and written communication skills that can be applied in various business settings.
- formulate original ideas and concepts in addition to integrating the ideas of others into the problem-solving process.
- comprehend, apply, and evaluate standards of ethical behavior in various business situations.
- differentiate between the various career paths available in business management and develop the knowledge and skills necessary to prepare for a management career.

Career Information

This program prepares students for supervisory and management positions in a wide variety of industries.

A.S. in Marketing, Advertising

This program provides the knowledge and skills necessary for advertising work with print media, electronic and broadcast media, retail and general business organizations, and advertising agencies.

Degree Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting (3)	3 - 4
or ACCT 301	Financial Accounting (4)	
BUS 300	Introduction to Business	3
BUS 310	Business Communications	3
BUS 340	Business Law	3
CISA 340	Presentation Graphics	2
DDSN 311	Digital Layout I (3)	3
or DDSN 341	Digital Illustration for Graphic Design I (3)	
DDSN 331	Digital Imaging I	3
DDSN 360	User Interface Design	3
MGMT 304	Principles of Management	3
MKT 300	Principles of Marketing	3
MKT 310	Selling Professionally	3
MKT 312	Retailing	3
MKT 314	Advertising	3
MKT 330	Internet Marketing	3
Total Units:		**41 - 42**

The Marketing, Advertising Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- choose the appropriate strategy, execution, and media for advertising and promotion.
- evaluate the principles of product development, pricing, distribution, promotion, and market research in the development and execution of a marketing strategy.
- examine the concepts of ethics and social responsibility.
- research and evaluate consumer buying behavior and recommend how to utilize marketing communications most effectively to meet consumers' needs.
- assess design techniques to create effective marketing materials.
- integrate the major functional areas of the business organizations including management, marketing, finance, and accounting.
- formulate original ideas and concepts in addition to integrating the ideas of others into the problem solving process.
- create and present media advertising for an advertising campaign.

Career Information

The program provides an opportunity for students to acquire knowledge and training for careers in advertising, e-marketing, product management, public relations, sales, services marketing, media planning, media buying, copywriter, and communications.

A.S. in Marketing

This program is designed for those who wish to pursue a career in marketing, marketing communications, or sales and progress into positions of higher responsibility. This curriculum has a two-fold purpose: 1) to introduce students to the principles of marketing, and 2) to help students acquire the knowledge, skill, and understanding they need as preparation for positions in Marketing.

Degree Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting (3)	3 - 4
or ACCT 301	Financial Accounting (4)	
BUS 300	Introduction to Business	3
BUS 310	Business Communications	3
BUS 340	Business Law	3
CISA 305	Beginning Word Processing	2
CISA 340	Presentation Graphics	2
ECON 302	Principles of Macroeconomics	3
MGMT 304	Principles of Management	3
MKT 300	Principles of Marketing	3
MKT 310	Selling Professionally	3
MKT 312	Retailing	3
MKT 314	Advertising	3
MKT 330	Internet Marketing	3
Total Units:		**37 - 38**

The Marketing Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- examine the major functional areas of business organizations, including management, marketing, finance, and accounting.
- assess which marketing communications will most effectively meet the needs of the marketplace.
- evaluate the principles of product development, pricing, distribution, promotion, and market research in the development and execution of a marketing strategy.
- incorporate professional sales skills by effectively identifying and responding to customers' needs.
- formulate a strategic marketing plan for a new or existing business.
- create the appropriate strategy, execution, and media for advertising.
- examine the concepts of ethics and social responsibility.
- formulate original ideas and concepts in addition to integrating the ideas of others into the problem solving process.
- apply principles of retailing such as business location, merchandising, inventory control, store management, and vendor relationships.
- compose effective verbal and written communications in various business settings.
- create effective internet marketing strategies that enhance a business' relationship with present and future customers.

Career Information

This program provides an opportunity for students to acquire knowledge and training for careers in sales, sales management, retail management, advertising, e-marketing, product management, marketing research, public relations, international marketing, and services marketing.

A.S. in Real Estate

The associate degree program in real estate focuses on the practical application and understanding of the concepts utilized in real estate markets and real estate careers. Course work includes real estate principles, legal aspects of real estate, real estate practice, real estate finance, real estate economics, and appraisal.

Degree Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting (3)	3 - 4
or ACCT 301	Financial Accounting (4)	
BUS 300	Introduction to Business	3
CISC 300	Computer Familiarization	1
RE 300	California Real Estate Principles	3
RE 310	Real Estate Practice	3
RE 320	Real Estate Finance	3
RE 330	Legal Aspects of Real Estate	3
RE 342	Real Estate Appraisal	3
RE 360	Real Estate Economics	3
RE 380	Computer Applications in Real Estate	3
A minimum of 3 units from the following:		3
BUS 105	Business Mathematics (3)	
ECON 302	Principles of Macroeconomics (3)	
A minimum of 6 units from the following:		6
ECON 304	Principles of Microeconomics (3)	
MKT 310	Selling Professionally (3)	
MKT 314	Advertising (3)	
RE 350	Real Property Management (3)	
RE 370	Escrow Procedures (3)	
RE 497	Internship in Real Estate (4)	
Total Units:		**37 - 38**

The Real Estate Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify and explain the major functional areas of real estate, including legal aspects, finance, economics, real estate practice, and appraisal.
- develop leadership skills and abilities that are effective in a real estate environment.
- analyze practical real estate problems and utilize research and critical thinking to evaluate and recommend alternative solutions.
- integrate real estate principles related to finance, law, products, services, and information.
- assess current real estate market conditions.
- recommend appropriate sales strategies based on market conditions.
- develop the necessary background and qualifications for the California Real Estate Brokers and Salesperson license examinations.
- demonstrate an understanding of how computer applications and technology enhance one's ability to engage in real estate practices.
- identify and describe software programs used in the real estate industry.
- utilize software and produce documents from the computer in the areas of real estate finance, real estate appraisal, property management, and residential sales.
- use computer applications to develop real estate flyers, utilize the Internet as a research and marketing tool, and set up and manage e-mail communications.
- demonstrate an understanding of how social media is used in the real estate profession to market to and communicate with potential clients.

Career Information

Career opportunities include Real Estate Salesperson, Real Estate Broker, Real Estate Appraiser, Real Estate Investor, Real Estate Lender, and Small Business Owner.

Certificates of Achievement

Accounting Clerk Certificate

The Accounting Clerk certificate provides fundamental occupational training and preparation for entry-level accounting clerk positions. The program includes basic accounting courses and specialized courses designed for the accounting workplace, including basic computer and business principles courses.

Certificate Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting	3
ACCT 121	Payroll Accounting	3
ACCT 341	Computerized Accounting	3
BUS 105	Business Mathematics	3
CISA 315	Introduction to Electronic Spreadsheets	2
A minimum of 6 units from the following:		6[1]
ACCT 123	Federal and California Individual Income Taxation (4)	
ACCT 301	Financial Accounting (4)	
ACCT 343	Computer Spreadsheet Applications for Accounting (2)	
BUS 107	Keyboarding (1 - 3)	
CISA 316	Intermediate Electronic Spreadsheets (2)	
Total Units:		**20**

[1]For BUS 107 student must complete 2 out of the 3 course levels.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze and record accounting transactions in both manual and computerized accounting systems.
- prepare financial statements manually and using a computerized accounting system.
- solve basic business math problems.
- demonstrate proficiency in the use of word processing and spreadsheet software.

Career Information

Career opportunities include accounting clerk or entry-level bookkeeper positions such as: accounts payable clerk, accounts receivable clerk, billing clerk, payroll assistant, assistant bookkeeper, or office assistant.

Business Information Worker Certificate

The Business Information Worker Certificate is designed to prepare students for entry-level office and administrative support in a variety of organizations.

Certificate Requirements

Course Code	Course Title	Units
BUS 310	Business Communications	3
CISA 305	Beginning Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 323	Database Management using Microsoft Access	2
CISC 310	Introduction to Computer Information Science	3
CISC 320	Operating Systems	1
A minimum of 3 units from the following:		3
BUS 107	Keyboarding (1 - 3)	
Total Units:		**16**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate keyboarding proficiency typing with a minimum of 35 wpm.
- describe how a computer works including identification of the various hardware components.
- create, save, and access files and folders; illustrate an understanding in using file management utilities.
- construct and modify solutions for personal, educational, or business needs applying use of office workplace computer applications.
- construct projects efficiently generating solutions using various workplace computer applications.
- demonstrate the use of electronic mail (e-mail), using attachments and uploading and downloading files and folders, including extracting data.
- analyze business situations and determine appropriate methods to deliver negative and positive messages.

Career Information

Students who successfully complete the Business Information Worker Certificate are prepared for entry-level positions in general office environments in a variety of fields.

Entrepreneurship Certificate

Designed for current and aspiring entrepreneurs, the Entrepreneurship Certificate is a one-year program. Students will gain the knowledge, insights, and confidence of entrepreneurship through application of business concepts and ideas in the creation of a business plan. Improve your chances for success by developing skills and insights for evaluating, articulating, refining, and pitching a new product or service, either as a physical brick and mortar business, or as a virtual, online business. Learn to identify and evaluate opportunities, develop strategies, learn the basics of entrepreneurial finance, develop the professional competencies necessary for small business ownership, and launch your business.

Certificate Requirements

Course Code	Course Title	Units
CISW 306	Introduction to Web Page Creation and Web Accessibility	2
ENTR 301	Accounting for Entrepreneurs	3
ENTR 350	Introduction to Entrepreneurship, Strategy, and Managing People	3
ENTR 352	21st Century Skills & Professional Competencies for Entrepreneurs	3
ENTR 356	Bootstrap Marketing for Entrepreneurs	3
ENTR 358	Entrepreneurship Capstone	3
Total Units:		**17**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- create alternatives and analyze solutions for an entrepreneurial venture.
- apply ethical decision-making strategies and explain the importance of ethics and social responsibility in an entrepreneurial venture.
- distinguish the four functions of management: planning, organizing, directing, and controlling in the context of launching a business.
- develop and present a marketing plan for an entrepreneurial venture.
- research and use open source tools and resources for the development of a small business web page.
- build a well-crafted business plan.
- prepare and analyze financial statements for a start-up.
- articulate their entrepreneurial vision and present it for potential venture funding.

Full Charge Bookkeeper Certificate

The Full Charge Bookkeeper certificate program provides advanced occupational training in accounting. The program provides a strong background in financial and managerial accounting, basic business principles, and business technology.

Certificate Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting	3
ACCT 121	Payroll Accounting	3
ACCT 301	Financial Accounting	4
ACCT 311	Managerial Accounting	4
ACCT 341	Computerized Accounting	3
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 316	Intermediate Electronic Spreadsheets	2
A minimum of 6 units from the following:		6
ACCT 123	Federal and California Individual Income Taxation (4)	
ACCT 343	Computer Spreadsheet Applications for Accounting (2)	
ACCT 361	Ethics, Fraud, and Legal Issues for Accountants (3)	
BUS 105	Business Mathematics (3)	
Total Units:		**27**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify, analyze, record, and report the financial transactions of an organization using manual and computerized accounting systems.
- measure and categorize costs within a business organization.

- develop information useful to management in the budgeting, planning, and decision-making processes of an organization.
- calculate basic federal and California payroll taxes.
- demonstrate proficiency in the use of word processing and spreadsheet software.

Career Information

Career opportunities include higher level accounting positions, such as full charge bookkeeper, accountant, or accounting supervisor.

Management Certificate

This program is designed for those who wish to progress from entry-level positions to positions of responsibility in business and management. Topics include organizational behavior and human relations, supervision, and human resource management.

Certificate Requirements

Course Code	Course Title	Units
BUS 330	Managing Diversity in the Workplace	3
MGMT 304	Principles of Management	3
MGMT 309	Introduction to Supervision	3
MGMT 372	Human Relations and Organizational Behavior	3
A minimum of 6 units from the following:		6
ACCT 301	Financial Accounting (4)	
or ACCT 101	Fundamentals of College Accounting (3)	
BUS 300	Introduction to Business (3)	
MGMT 308	Personnel and Human Resources Management (3)	
MKT 300	Principles of Marketing (3)	
Total Units:		**18**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze real or potential business problems and research, develop, evaluate, and test possible solutions using creativity, critical thinking, and technology skills.
- compare, judge, and evaluate a variety of current management philosophies when applied to business management situations.
- demonstrate individual responsibility, personal integrity, respect, and leadership skills and abilities that are effective in managing diverse people and cultures
- develop effective oral and written communication skills that can be applied in various business settings.
- comprehend, apply, and evaluate standards of ethical behavior in various business situations.
- differentiate between the various career paths available in business management and develop the knowledge and skills necessary to prepare for a management career.

Career Information

This program prepares students for supervisory and management positions in a wide variety of industries.

Marketing Certificate

This program is designed for those who wish to pursue a career in marketing, marketing communications, or sales and progress into positions of higher responsibility. This curriculum has a two-fold purpose: 1) to introduce students to the principles of marketing, and 2) to help students acquire the knowledge, skill, and understanding they need as preparation for positions in marketing.

Certificate Requirements

Course Code	Course Title	Units
BUS 300	Introduction to Business	3
MKT 300	Principles of Marketing	3
MKT 310	Selling Professionally	3
MKT 314	Advertising	3
MKT 330	Internet Marketing	3
A minimum of 3 units from the following:		3
MGMT 304	Principles of Management (3)	
MGMT 372	Human Relations and Organizational Behavior (3)	
MKT 312	Retailing (3)	
Total Units:		**18**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- examine the major functional areas of business organizations, including management, marketing, finance, and accounting.
- assess which marketing communications will most effectively meet the needs of the marketplace.
- evaluate the principles of product development, pricing, distribution, promotion, and market research in the development and execution of a marketing strategy.
- incorporate professional sales skills by effectively identifying and responding to customers' needs.
- formulate a strategic marketing plan for a new or existing business.
- create the appropriate strategy, execution, and media for advertising.
- examine the concepts of ethics and social responsibility.
- formulate original ideas and concepts in addition to integrating the ideas of others into the problem solving process.
- evaluate practical business problems and utilize critical thinking in the determination of alternative solutions.

Career Information

This program provides an opportunity for students to acquire knowledge and training for careers in sales, sales

management, retail management, advertising, e-marketing, product management, marketing research, public relations, international marketing, and services marketing.

Real Estate Certificate

This certificate introduces the basic concepts of the real estate career field. Topics include the principles of real estate, real estate law, real estate economics, real estate finance, real estate practice, and appraisal.

Certificate Requirements

Course Code	Course Title	Units
ACCT 101	Fundamentals of College Accounting (3)	3 - 4
or ACCT 301	Financial Accounting (4)	
BUS 300	Introduction to Business	3
CISC 300	Computer Familiarization	1
RE 300	California Real Estate Principles	3
RE 310	Real Estate Practice	3
RE 320	Real Estate Finance	3
RE 330	Legal Aspects of Real Estate	3
RE 342	Real Estate Appraisal	3
RE 360	Real Estate Economics	3
RE 380	Computer Applications in Real Estate	3
A minimum of 3 units from the following:		3
BUS 105	Business Mathematics (3)	
ECON 302	Principles of Macroeconomics (3)	
A minimum of 6 units from the following:		6
ECON 304	Principles of Microeconomics (3)	
MKT 310	Selling Professionally (3)	
MKT 314	Advertising (3)	
RE 350	Real Property Management (3)	
RE 370	Escrow Procedures (3)	
RE 497	Internship in Real Estate (4)	
Total Units:		**37 - 38**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify and explain the major functional areas of real estate, including legal aspects, finance, economics, real estate practice, and appraisal.
- develop leadership skills and abilities that are effective in a real estate environment.
- analyze practical real estate problems and utilize research and critical thinking to evaluate and recommend alternative solutions.
- integrate real estate principles related to finance, law, products, services, and information.
- assess current real estate market conditions.
- recommend appropriate sales strategies based on market conditions.
- develop the necessary background and qualifications for the California Real Estate Brokers and Salesperson license examinations.
- demonstrate an understanding of how computer applications and technology enhance one's ability to engage in real estate practices.
- identify and describe software programs used in the real estate industry.
- utilize software and produce documents from the computer in the areas of real estate finance, real estate appraisal, property management, and residential sales.
- use computer applications to develop real estate flyers, utilize the Internet as a research and marketing tool, and set up and manage e-mail communications.
- demonstrate an understanding of how social media is used in the real estate profession to market to and communicate with potential clients.

Career Information

Career opportunities include Real Estate Salesperson, Real Estate Broker, Real Estate Appraiser, Real Estate Investor, Real Estate Lender, and Small Business Owner.

Certificate

Customer Service Certificate

Businesses with exceptional customer service flourish, but it is often difficult for employees to obtain the requisite skills while on the job. The Customer Service certificate program offers skills and techniques today that can be implemented in the workplace tomorrow. In addition to the basic areas of customer service, communication, team building, and attitude, several other topics are incorporated, which will enhance any employee’s overall job performance, as well as improve service to customers.

Certificate Requirements

Course Code	Course Title	Units
BUS 260	Communicating With Customers	0.5
BUS 261	Exceptional Customer Service	0.5
BUS 262	Team Building in the Workplace	0.5
BUS 263	Attitude in the Workplace	0.5
A minimum of 2 units from the following:		2
BUS 264	Ethics and Values in the Workplace (0.5)	
BUS 265	Stress Management in the Workplace (0.5)	
BUS 266	Time Management in the Workplace (0.5)	
BUS 267	Dealing With Conflict in the Workplace (0.5)	
BUS 268	Decision Making & Problem Solving in the Workplace (0.5)	
BUS 269	Organizational Change (0.5)	
Total Units:		**4**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- examine why it is so important for businesses to provide excellent quality service.
- demonstrate verbal and nonverbal workplace communication skills.
- identify attitude problems and demonstrate the skills required to maintain a positive attitude in the workplace.
- apply the leadership skills necessary to manage high performance teams.
- assess the importance of ethics and values in the workplace and formulate a personal ethical philosophy.
- combine workplace skills with other key interpersonal skills (time management, change management, stress management, decision making, problem solving) to effectively meet the needs of customers.

Career Information

Client service representative, account manager, technical support representative, customer care agent, customer service supervisor, call center representative, field service representative, help desk specialist, retail customer support representative, relationship manager.

Business (BUS) Courses

BUS 100 English for the Professional

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGRD 110 and ENGWR 51 with grades of "C" or better, or placement through the assessment process.

This course is designed to prepare students to be effective communicators in business and in workplace environments. In addition to correct usage of the English language, students learn effective business writing principles, i.e., brevity and succinctness. Included are skills and techniques of written communication, sentence structure, word usage, punctuation, spelling, business vocabulary, and business document formatting. Emphasis is placed on critical thinking and effective writing techniques through analyzing written communication and composing and organizing paragraphs into effective business documents. Computer skills are utilized throughout the course to format business documents and search the Internet for information and resources. Proofreading skills are also emphasized. This course focuses on teaching students to analyze, compose, and organize written communication into effective business documents. BUS 100 is required by several certificate and degree programs within the Business Division and is recommended for all business majors. It is also a prerequisite to BUS 310 - Business Communications.

BUS 105 Business Mathematics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 10, and MATH 27 OR MATH 28 with grades of "C" or better; OR placement through assessment process.

This course is a review of basic mathematical skills and introduces equations and formulas in solving for unknowns. Applications of mathematics in business include such areas as banking, commercial discounts, retail and wholesale markup-markdown, payroll computations, simple and compound interest, bank discount, present value, inventory valuation, depreciation, and financial statements. This course is recommended for many majors in business.

BUS 107 Keyboarding

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course provides individualized, self-paced instruction of keyboarding skills. It is designed to help students learn to touch type and use the numeric keypad, while building speed and accuracy. Students may work independently in the computer lab during open lab hours and are awarded units based on successful completion of course learning outcomes. The first unit of credit is earned when the student demonstrates the ability to touch-type at least 33 words per minute, with no more than 5 errors. The second unit of credit is earned when the student demonstrates the ability to touch-type at least 38 words per minute, with no more than 5 errors. The third unit of credit is earned when the student demonstrates operation of a numeric keypad by touch at a rate of 8,000 or more keystrokes per hour with 98 percent accuracy. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester and as space allows. This course is graded on a Pass/No Pass basis and may be taken for a maximum of three units.

BUS 260 Communicating With Customers

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course introduces key elements of communication and its importance in providing exceptional customer service. Topics include verbal and nonverbal communication as well as listening skills. Emphasis is placed on how to effectively and constructively communicate with internal and external customers. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 261 Exceptional Customer Service

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course provides preparation for a broad range of customer service environments. Key skills and attitudes necessary to provide exceptional customer service are developed in this course. Concepts such as internal and external customers, customer satisfaction, and customer retention are explored. Topics also include communicating with customers, developing a positive attitude, handling complaints, and sales skills. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 262 Team Building in the Workplace

Units: 0.5
Hours: 9 hours LEC

Prerequisite: None.

This course explores team building and the role teams play in providing exceptional customer service. Topics include how effective teams work, common problems teams encounter, and methods for resolving issues between team members. Students will learn to recognize and deal with various coworker personalities and team player styles. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 263 Attitude in the Workplace

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course is designed to introduce the subject of attitude and the importance of a positive attitude in providing exceptional customer service. Participants will develop key skills to maintain a positive attitude in the workplace. Concepts include how attitudes are communicated and how to adjust one's own attitude. Topics will also include the primary causes of a bad attitude and specific techniques to improve the attitudes of others. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 264 Ethics and Values in the Workplace

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course emphasizes the importance of ethics and values in delivering exceptional customer service. Students will learn how to evaluate ethical behavior, how to determine what influences our values, and how values influence actions. Emphasis is placed on developing a personal ethical philosophy and helping others do the right thing. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 265 Stress Management in the Workplace

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course explores the elements of stress management and its importance in providing exceptional customer service. Topics include the recognition of stress, causes of stress, and the benefits of managing stress. Emphasis is placed on a multitude of ways to handle stress in order to have a more productive professional and personal life. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 266 Time Management in the Workplace

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course introduces the principles of time management and the importance of managing time efficiently in providing exceptional customer service. Specific tools that assist in making the maximum use of one's time are discussed. Emphasis is placed on how to prioritize, identifying time wasters, delegation, and goal setting. Basic concepts of managing space will also be covered. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 267 Dealing With Conflict in the Workplace

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course introduces the subject of conflict management and the importance of managing conflict in providing exceptional customer service. Topics include the meaning of conflict, the causes of conflict between individuals and groups within an organization, and strategies for resolving interpersonal conflict. Emphasis is placed on how to deal with difficult people in customer service situations and how to bring out the best in others. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 268 Decision Making & Problem Solving in the Workplace

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course introduces the role and importance of effective decision making and problem solving in providing exceptional customer service. Emphasis is placed on recognized techniques for solving problems, common traps to avoid when making decisions, and tools for generating creative solutions. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 269 Organizational Change

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course explores organizational change and the role it plays in providing exceptional customer service. Topics will include understanding organizational change, theoretical models of change, stages of change, and how to survive and thrive when an organization changes. Skills and strategies for becoming a change agent in your organization will be discussed. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 300 Introduction to Business

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 51 or ESLW 50 with a grade "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b)
C-ID: C-ID BUS 110

Introduction to Business is a survey business course providing a multidisciplinary examination of how culture, society, human behavior, and economic systems interact with legal, international, political, and financial institutions to affect business policy and practices within the U.S. and the global marketplace. Students will evaluate how these influences

impact the primary areas of business including: organizational structure and design; leadership, human resource management, and organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, and financial practices; the stock and securities markets; and, therefore, affect a business' ability to achieve its organizational goals.

BUS 310 Business Communications

Units: 3
Hours: 54 hours LEC
Prerequisite: BUS 100, ENGWR 101 or ESLW 340 with a grade of "C" or better; or placement through the assessment process.
Transferable: CSU
General Education: AA/AS Area II(a)
C-ID: C-ID BUS 115

This course applies the theory and principles of ethical and effective written and oral communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing, and revising business documents and creating and delivering professional-level reports using word processing and presentation software.

Analytical skills are used to plan, organize, compose, critique, and revise letters, memos, emails, and reports. Message components, which include organization, content, style, tone, grammar, format, and appearance, are critically analyzed. A formal analytical research paper is created and its results are presented. This course is designed for students who already have college-level writing skills.

BUS 320 Concepts in Personal Finance

Units: 3
Hours: 54 hours LEC
Prerequisite: BUS 105 or MATH 28 with a grade of "C" or better, or placement through the assessment process.
Advisory: ENGWR 51 or ESLW 50 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area B4

This course covers how to analyze financial affairs for lifelong personal financial management. It examines the basics of financial planning, analysis, and decision making in areas of goal setting, budgeting, taxes, credit, money management, insurance, investments, and retirement with an emphasis on principles to develop economic decision-making skills.

BUS 325 Investments and Financial Management

Same As: ECON 330
Units: 3
Hours: 54 hours LEC
Prerequisite: BUS 320, ECON 302, ECON 304, or MATH 120 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU

Fundamentals of Investment Management and Financial Markets will provide important information that individuals should know before investing their funds or managing investments. The course will be equally valuable to those who have little or no knowledge of investing and financial markets as well as those who are already investors and want to sharpen their skills. The course will provide a blend of the traditional and modern approaches to investment decision making (and financial markets). The traditional approach is largely descriptive, while the modern approach emphasizes quantitative techniques. Credit may be awarded for ECON 330 or BUS 325, but not for both.

BUS 330 Managing Diversity in the Workplace

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D

The course examines the leadership skills and abilities needed to manage a multicultural workforce. A primary focus is placed upon the workplace impact of various historical, social, and cultural experiences and perspectives related to gender, age, race, ethnicity, and disability. Workforce issues related to the diversity of the American consumer and global consumer impact on the United States are analyzed.

BUS 340 Business Law

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
C-ID: C-ID BUS 125

This course introduces the fundamental legal principles pertaining to business transactions. Topics covered include the legal process, dispute resolution, and federal and state court systems, including a comprehensive study of contracts under the common law and the Uniform Commercial Code. The course emphasizes business ethics, corporate social responsibility, tort law, constitutional law, agency, business crimes, sales transactions, legal structures of business, and criminal law as applied in a business setting.

BUS 345 Law and Society

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4G
C-ID: C-ID BUS 120

This course benefits students in every major by making all students aware of their rights and obligations under the law. They will be introduced to the American common law system, with emphasis on the practical aspects, the theory behind the law, and the law as a reflection of society. Areas studied include the U.S. Constitution, the Court and legal systems, law of Crimes, Torts, Contracts, Landlord-Tenant Relationships, Employment, and Family Law. This course is not to be taken in place of BUS 340, Business Law, where required.

BUS 495 Independent Studies in Business

Units: 0.5 - 4
Hours: 27 - 216 hours LAB
Prerequisite: None.
Transferable: CSU

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered accounting courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

BUS 498 Work Experience in Business

Units: 1 - 4
Hours: 60 - 300 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.
Transferable: CSU
General Education: AA/AS Area III(b)

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. The student will be required to attend an orientation at the beginning of the course and complete a minimum of 75 hours to a maximum of 300 hours of paid work; or a minimum of 60 hours to a maximum 240 hours of unpaid work per unit per semester. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

BUS 499 Experimental Offering in Business

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Entrepreneurship (ENTR) Courses

ENTR 299 Experimental Offering in Entrepreneurship

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ENTR 301 Accounting for Entrepreneurs

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course introduces accounting in a start-up organization and evaluates why it is important and how it is used by investors, creditors, and others to make business decisions. The course covers recording and reporting of business transactions with a focus on the financial statements and statement analysis. It includes how entrepreneurs use accounting information in decision-making, planning, and directing operations. The course will focus on performance analysis in start-up settings.

ENTR 350 Introduction to Entrepreneurship, Strategy, and Managing People

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course introduces the foundational concepts of entrepreneurship. Students will explore the feasibility of a small business idea while writing an opportunity analysis, which is the first step toward development of a full business plan. This course also examines legal forms of ownership, development of a strong business strategy, and development of a plan for managing human resources in a small business.

ENTR 352 21st Century Skills & Professional Competencies for Entrepreneurs

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to deliver the sought after workplace soft skills and professional competencies. Through curriculum, assessment, and digital badging resources, students will gain knowledge and insights necessary to develop the following workplace soft skills and competencies: adaptability, self-awareness, digital fluency, communication, collaboration, empathy, analysis, resiliency, an entrepreneurial mindset, and social/diversity awareness.

ENTR 356 Bootstrap Marketing for Entrepreneurs

Units: 3
Hours: 54 hours LEC
Prerequisite: ENTR 350 with a grade of "C" or better
Transferable: CSU

This course is designed to introduce students to the unique challenges of marketing in start-up organizations and to provide tips and techniques for launching and promoting a new business. Students learn about the evolving practice of marketing and the potential for entrepreneurial thinking. A key component of this course is the development of a complete marketing plan for a new business venture.

ENTR 358 Entrepreneurship Capstone

Units: 3
Hours: 54 hours LEC
Prerequisite: ENTR 350 and 356 with grades of "C" or better; or concurrent enrollment.
Transferable: CSU

This course covers the various elements in starting and operating a small business. Students will learn about the components necessary to develop a business plan throughout the guided pathway; and from those components, launch, monitor, and adjust plans regarding the progress of a business operation.

ENTR 499 Experimental Offering in Entrepreneurship

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Management (MGMT) Courses

MGMT 295 Independent Studies in Management

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course is an independent study of a management topic or research project. It is for students who wish to develop an in-depth understanding in fundamental topics of management and to learn to work in a collaborative atmosphere with instructors, and possibly other students. Instructor approval is required to enroll in this course.

MGMT 299 Experimental Offering in Management

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

MGMT 304 Principles of Management

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101, ESLW 340, or BUS 100 with a grade of "C" or better.
Transferable: CSU

This basic course in management introduces a variety of modern management concepts including management functions of planning, organization, staffing, leadership, and control. In addition, such concepts as team development, communication, business ethics, and global management perspectives will be discussed.

MGMT 308 Personnel and Human Resources Management

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101, ESLW 340, or BUS 100 with a grade of "C" or better.
Transferable: CSU

This course is an introduction to the study and analysis of personnel and human resource management. It explores essential topics such as managing human resources in a global environment, job design, recruitment and retention methods, performance appraisal techniques, training, compensation, labor management relations, and important human resource laws. This course is valuable for students who anticipate a career in human resource management or general management. Case studies from business are used to develop critical management decision-making skills.

MGMT 309 Introduction to Supervision

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101, ESLW 340, or BUS 100 with a grade of "C" or better.
Transferable: CSU

This introductory course in supervision is designed to meet the needs of students interested in learning more about the role of a supervisor. Emphasis is on employee motivation, morale, working conditions, communication with employee groups, conflict management, recruiting and interviewing potential employees, training, group dynamics, and health and safety issues. This course focuses on first line supervisory responsibilities. It is most valuable for students who have been or are in the workplace and who are making or anticipating the transition from employee to supervisor. Case studies from business are used to prepare the student for a supervisory position.

MGMT 372 Human Relations and Organizational Behavior

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: BUS 100, ENGWR 101 or ESLW 340 with a grade of "C" or better.
Transferable: CSU

This course emphasizes the psychology of human relations management. It covers human interaction principles that build confidence, competence, and positive attitudes in work organizations. Topics include the basis for human behavior, perception, personality, communication, stress, time and career management, motivation, performance improvement, group behavior, ethics, and social responsibility.

MGMT 495 Independent Studies in Management

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course is an independent study of a management topic or research project. It is for students who wish to develop an in-depth understanding in fundamental topics of management and to learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

MGMT 499 Experimental Offering in Management

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Marketing (MKT) Courses

MKT 300 Principles of Marketing

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: BUS 100, ENGWR 101, or ESLW 340 with grades of "C" or better.
Transferable: CSU

This course provides a general overview of marketing principles. The course covers the process of planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services to create exchanges that satisfy individual and organizational goals. Elements of the marketing environment such as government regulation, environmental protection, competition, and consumer behavior will be analyzed.

MKT 310 Selling Professionally

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course examines and presents the qualifications necessary to achieve success in professional selling. Emphasis is placed on the development of a business personality and its application to prospecting, structuring the sales presentation, handling objections, closing, servicing, and customer relationship management. Application of techniques in product and service situations and integration of technology as a sales tool are explored. Different types of selling experiences such as direct, industrial, wholesale, and retail are covered. Students will participate in role-playing exercises and deliver a sales presentation. This course is recommended for all students entering any career in business.

MKT 312 Retailing

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: BUS 100, ENGWR 101, or ESLW 340 with grades of "C" or better.
Transferable: CSU

Retailing is a business activity that provides goods and services to customers for their personal use. This course covers modern retail operations with emphasis on consumer behavior, store location, sourcing of goods, pricing, organization, promotion, merchandising, management, and other pertinent factors of retail operations.

MKT 314 Advertising

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course examines advertising as a marketing communications tool. Emphasis is placed on consumer behavior, creative methods, media selection, measurements of effectiveness, and coordination with other aspects of the marketing program.

MKT 330 Internet Marketing

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: CISC 305 with a grade of "C" or better.
Transferable: CSU

This course introduces the use of social media and other internet technologies, with an emphasis on the theory and practice of marketing in an electronic environment. Topics include the personalization and interactivity of the Internet to build strong customer relationships. These concepts are applied to traditional brick and mortar as well as exclusively online businesses.

MKT 495 Independent Studies in Marketing

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: Student must obtain approval from an instructor to conduct an independent study with that instructor or instructors.
Transferable: CSU

This course is an independent study of a marketing topic or research project. It is for students who wish to develop an in-depth understanding in fundamental topics of marketing and to

learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course.

MKT 498 Work Experience in Marketing

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Education Code Title V regulations, a student cannot earn academic credits in a Work Experience class unless s/he has either a job or an internship.
Transferable: CSU

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to Marketing Major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

MKT 499 Experimental Offering in Marketing

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Real Estate (RE) Courses

RE 300 California Real Estate Principles

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This fundamental real estate course covers the basic laws and principles of California real estate and provides the understanding, background, and terminology necessary for advanced study in specialized real estate courses. This course is required by the California Department of Real Estate prior to taking the Real Estate Salesperson's examination.

RE 310 Real Estate Practice

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: RE 300 with a grade of "C" or better.
Transferable: CSU

This course covers operations in real estate: listing, prospecting, advertising, financing, sales techniques, escrow, and ethics. The course applies toward educational requirements for the broker's examination.

RE 320 Real Estate Finance

Units: 3
Hours: 54 hours LEC
Prerequisite: RE 300 with a grade of "C" or better
Transferable: CSU

This course covers real estate financing: lending policies and problems; financing transactions in residential, apartment, commercial, and special purpose properties; and methods of financing properties. This course applies towards educational requirements for broker's examination.

RE 330 Legal Aspects of Real Estate

Units: 3
Hours: 54 hours LEC
Prerequisite: RE 300 with a grade of "C" or better
Transferable: CSU

This course covers California real estate law, including management, agency contracts and application to real estate transfer, conveyancing, probate proceedings, trust deeds, and foreclosure. Legislation governing real estate transactions is also covered. It applies toward educational requirements for the broker's examination.

RE 342 Real Estate Appraisal

Units: 3
Hours: 54 hours LEC
Prerequisite: RE 300 with a grade of "C" or better
Transferable: CSU

This course covers entry-level education in the real estate appraisal field, concentrating on the appraisal of single-family residences (real property). It covers Basic Appraisal Principles (30 Hours) and Basic Appraisal Procedures (30 Hours) pursuant to the Appraiser Qualifications Board's (AQB) Real Property Appraiser Qualification Criteria (effective January 1, 2008). This course is designed to meet the California Bureau of Real Estate Appraisers (BREA) requirements for Basic Education (60 Hours). It also meets the California Bureau of Real Estate (BRE) college-level educational requirements (3 semester units) for the salesperson and broker examinations.

RE 350 Real Property Management

Units: 3
Hours: 54 hours LEC
Prerequisite: RE 300 with a grade of "C" or better

Transferable: CSU

This course covers operation and management of real property marketing procedures, leases, maintenance, insurance, accounting, records, public and human relations, employer responsibilities, and selection of personnel and agreements. It applies towards the educational requirements for the broker's examination.

RE 360 Real Estate Economics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course covers the nature and classification of land economics, development of property, construction and subdivision, economic values, and real estate evaluation. Real estate cycles and business fluctuations, residential market trends, real property, and special purpose property trends are also covered. This course applies toward educational requirements for the broker's examination.

RE 370 Escrow Procedures

Units: 3
Hours: 54 hours LEC
Prerequisite: RE 300 with a grade of "C" or better.
Transferable: CSU

This course covers the functions and responsibilities of the escrow holder, including actual preparation of escrow instructions and documents in a typical real estate transaction. Audit, disbursement, the issuance of closing statements, and analysis of title insurance policies are covered. This course applies toward educational requirements for the broker's examination.

RE 380 Computer Applications in Real Estate

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course introduces students to software applications used in the real estate industry for real estate practice, finance, appraisal, property management, and residential sales. This course applies toward the educational requirements for either a salesperson's or broker's license.

RE 495 Independent Studies in Real Estate

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered real estate courses. See the current catalog section of "Independent Studies" for full details.

RE 497 Internship in Real Estate

Units: 4
Hours: 18 hours LEC; 162 hours LAB
Prerequisite: RE 300 with a grade of "C" or better
Transferable: CSU

This course provides students with a supervised, structured, hands-on experience in real estate and with the skills necessary to assist them in obtaining jobs in the real estate industry. Course content will include understanding the application of education to the workforce; the responsibilities of an internship; completion of Title V papers (the student's Application, Learning Objectives, Time sheet, and Evaluations), which document the students' progress and hours completed; and developing workplace skills identified by local employers. In addition to 18 hours of lecture, the student is required to complete an internship of 162 hours.

RE 499 Experimental Offering in Real Estate

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Chemistry

Chemistry is the study of the properties, composition, and transformations of all material substances. It is often called the "central science" since it draws from mathematics and physics and forms a necessary background to the study of all the earth sciences and all the biological disciplines, including the various medical professions. Sacramento City College chemistry courses are designed to meet the lower division requirements for a major in chemistry in transferring to a four-year institution. For students who plan to transfer, completion of the CSU General-Breadth or IGETC general education pattern is encouraged. It is highly recommended that students meet with a counselor because major and general education requirements vary for each college/university. These courses also fulfill general education requirements for allied health, biological sciences, physical sciences, computer science, and engineering.

View the Chemistry Course Sequence (scc/main/doc/3-Academics/2-Programs-and-Majors/Chemistry/chem-course-sequence.pdf).

Chemical Technology Program Details (https://scc.losrios.edu/academics/chemical-technology-program-details)

Degrees and Certificates Offered

A.S. in Chemical Technology

A.S. in Chemistry

Chemical Technician, Advanced Certificate

Chemical Technician, Beginning Certificate

Chemical Technician, Intermediate Certificate

Chemical Technology Certificate

Dean Rose Giordano Ph.D.
Department Chair Binh Dao
Phone (916) 650-2736
Email daob@scc.losrios.edu

Associate Degrees

A.S. in Chemical Technology

The Chemical Technology Program trains students for a wide variety of scientific laboratory technician career opportunities. Students not only will be instructed in the theory and fundamentals of chemistry, but they will also be exposed to hands-on training with lab equipment and sophisticated state-of-the-art lab instrumentation. Students will be taught how to perform standard laboratory techniques, how to follow safety procedures, and how to prepare clear, thorough lab reports.

Throughout the program there will be emphasis on clear written communication and correct mathematical calculations. Students will be challenged to strengthen problem-solving and critical-thinking skills. They also will have opportunities to develop effective verbal communication and to use software commonly employed in scientific labs.

A student who satisfactorily completes the program will be awarded a Certificate of Achievement. Students who complete the program may also qualify for an Associate in Science degree by fulfilling the Graduation Requirements specified in this catalog.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
CHEM 410	Quantitative Analysis	5[1]
CHEM 420	Organic Chemistry I (5)	4 - 5
or CHEM 425	Organic Chemistry with Biological Emphasis I (4)	
CHEM 421	Organic Chemistry II (5)	4 - 5
or CHEM 426	Organic Chemistry with Biological Emphasis II (4)	
A minimum of 3 units from the following:		3[2]
BUS 310	Business Communications (3)	
ENGWR 488	Honors College Composition and Research (4)	
or ENGWR 300	College Composition (3)	
ENGWR 301	College Composition and Literature (3)	
ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
or ENGWR 302	Advanced Composition and Critical Thinking (3)	
ESLW 340	Advanced Composition (4)	
Total Units:		**26 - 28**

[1]Offered in spring only.

[2]This corresponds to the General Education Area II English Composition requirement.

The Chemical Technology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Students must complete high school intermediate algebra or MATH 120 or its equivalent with a grade of "C" or better.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply problem-solving and analytical thinking skills in the planning, execution, and interpretation of chemistry lab work.
- correctly use common chemistry laboratory instruments to process materials and/or collect data.

- demonstrate oral and written communication skills necessary to report and discuss chemistry laboratory processes with other scientifically trained personnel.
- demonstrate an understanding of safety practices, including proper chemical waste disposal procedures.

Career Information

Employment data indicates that there are a large number of science lab technicians employed in this region. Students who complete the Chemical Technology Program may work in environmental monitoring and pollution analysis, materials testing, medical testing, or quality control. They may work in laboratories supporting manufacturing, agriculture, medical research, the petrochemical industry, or government agencies.

A.S. in Chemistry

Chemistry is the study of the properties, composition, and transformations of all material substances. It is often called the “central science” since it draws from mathematics and physics and forms a necessary background to the study of all the earth sciences and all the biological disciplines, including the various medical professions. Sacramento City College chemistry courses are designed to meet the lower division requirements for a major in chemistry in transferring to a four-year institution. For students who plan to transfer, completion of the CSU General-Breadth or IGETC general education pattern is encouraged. It is highly recommended that students meet with a counselor because major and general education requirements vary for each college/university. These courses also fulfill general education requirements for allied health, biological sciences, physical sciences, computer science, and engineering.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
[CHEM 420	Organic Chemistry I (5)	8 - 10
and CHEM 421]	Organic Chemistry II (5)	
or [CHEM 425	Organic Chemistry with Biological Emphasis I (4)	
and CHEM 426]	Organic Chemistry with Biological Emphasis II (4)	
Total Units:		**18 - 20**

The Chemistry Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- understand the language and nomenclature of chemistry.
- utilize problem solving strategies involving data collection, dimensional analysis, interpretation, and drawing reasonable conclusions from data.
- demonstrate basic chemical laboratory skills.
- operate a variety of modern chemical instruments and accurately interpret spectral and chromatographic data.
- understand and apply fundamental chemical principles.

Career Information

Chemists work as pharmaceutical or environmental chemists, educators, medical researchers, quality assurance and general scientists, and pharmacists. The preparation received in chemistry is excellent background for careers in medicine, dentistry, engineering, the biological sciences, earth sciences, environmental studies, and science education.

Certificates of Achievement

Chemical Technician, Advanced Certificate

The Advanced Chemical Technician Certificate builds on the knowledge and techniques acquired after the completion of the Intermediate Chemical Technician Certificate. Students will be instructed on data analysis, propagation of error, quality control, and quality assurance. Students will be exposed to hands-on training with sophisticated state-of-the-art lab instrumentation such as: gas chromatography, gas chromatography-mass spectrometry, high-performance liquid chromatography, flame atomic absorption spectroscopy, and fourier-transform infrared spectroscopy. Students will be taught how to follow safety procedures and how to perform standard laboratory techniques.

Throughout the program there will be emphasis on clear written communication and correct mathematical calculations. Students will be challenged to strengthen problem-solving and critical-thinking skills. They also will have opportunities to develop effective verbal communication, and to use software commonly employed in scientific labs.

A student who satisfactorily completes the program will be awarded a Chemical Technician, Advanced, Certificate of Achievement.

Certificate Requirements

Course Code	Course Title	Units
BUS 100	English for the Professional	3
BUS 310	Business Communications	3
BUS 330	Managing Diversity in the Workplace	3
CHEM 300	Beginning Chemistry	4
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
CHEM 410	Quantitative Analysis	5
CHEMT 201	Careers in Chemical Technology	1.5
CHEMT 202	Chemical Technology Seminar	0.5
CHEMT 301	Chemical Technology Supplemental Lab	1
CHEMT 429	Research in Chemistry	1
CISA 305	Beginning Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2

Course Code	Course Title	Units
CISC 300	Computer Familiarization	1
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
MATH 120	Intermediate Algebra	5
STAT 300	Introduction to Probability and Statistics (4)	4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
A minimum of 6 units from the following:		6[1]
WEXP 498	Work Experience in (Subject) (1 - 4)	
Total Units:		**55 - 56**

[1]Students should enroll in WEXP 498 in (Subject) a total of four times as listed: first enrollment, 1 unit; second enrollment, 1 unit; third enrollment, 1 unit; fourth enrollment, 3 units.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply advanced chemistry principles and laboratory skills needed to safely work in a commercial lab using chemical technology with minimal supervision.
- apply problem-solving and analytical thinking skills in the planning, execution, and interpretation of chemistry lab work.
- correctly use common and advanced chemistry laboratory instruments to process and analyze samples and collect data.
- demonstrate advanced oral and written communication skills necessary to report and discuss chemistry laboratory processes and results with other scientifically trained personnel.
- demonstrate appropriate safety practices, including proper chemical waste disposal procedures.

Career Information

Students who complete the Advanced Chemical Technology Program may work in environmental monitoring and pollution analysis, medical testing, or quality control. They may work in laboratories supporting manufacturing, agriculture, medical research, or government agencies.

Chemical Technician, Beginning Certificate

The Beginning Chemical Technician program trains students for a wide variety of entry level scientific laboratory technician career opportunities. Students will be instructed in the theory and fundamentals of chemistry, and they will be exposed to hands-on training with lab equipment. Students will be taught how to follow safety procedures and how to perform basic laboratory techniques.

Throughout the program there will be emphasis on clear written communication and correct mathematical calculations. Students will be challenged to strengthen problem-solving and critical-thinking skills. They also will have opportunities to develop effective verbal communication and use basic software commonly employed in scientific labs.

Students who complete this certificate may wish to continue their studies and work toward the Chemical Technician, Intermediate, Certificate of Achievement.

Certificate Requirements

Course Code	Course Title	Units
BUS 330	Managing Diversity in the Workplace	3
CHEM 300	Beginning Chemistry	4
CHEMT 201	Careers in Chemical Technology	1.5
CHEMT 301	Chemical Technology Supplemental Lab	1
CISA 305	Beginning Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISC 300	Computer Familiarization	1
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
or ESLW 340	Advanced Composition (4)	
A minimum of 1 unit from the following:		1
WEXP 498	Work Experience in (Subject) (1 - 4)	
Total Units:		**18.5 - 19.5**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply basic chemistry principles and laboratory skills needed to safely work in a commercial lab using chemical technology with direct supervision.
- apply basic problem-solving and analytical thinking skills in interpretation and execution of chemistry lab work.
- correctly use common chemistry laboratory equipment to process materials and/or collect data.
- demonstrate basic oral and written communication skills necessary to report and discuss chemistry laboratory processes with other scientifically trained personnel.
- demonstrate a basic understanding of safety practices, including proper chemical waste disposal procedures.

Career Information

Employment data indicates that there are a large number of entry level science lab technicians employed in this region. Students who complete the Chemical Technology, Beginning, Certificate of Achievement may work in entry level positions in laboratories supporting manufacturing, agriculture, medical research, the petrochemical industry, or government agencies.

Chemical Technician, Intermediate Certificate

The Intermediate Chemical Technician Certificate program builds on the knowledge and techniques acquired after completion of the Beginning Chemical Technician Certificate. The Intermediate Chemical Technician Certificate program

trains students for a wide variety of intermediate level scientific laboratory technician career opportunities. Students will be instructed in the theory and fundamentals of chemistry, they will be exposed to hands-on training with basic lab equipment and principal lab instrumentation. Students will be taught how to follow safety procedures and how to perform standard laboratory techniques under limited supervision.

Students will be challenged to strengthen problem-solving and critical-thinking skills.

A student who satisfactorily completes the following program will be awarded a Chemical Technician, Intermediate, Certificate of Achievement.

Certificate Requirements

Course Code	Course Title	Units
BUS 330	Managing Diversity in the Workplace	3
CHEM 300	Beginning Chemistry	4
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
CHEMT 201	Careers in Chemical Technology	1.5
CHEMT 202	Chemical Technology Seminar	0.5
CHEMT 301	Chemical Technology Supplemental Lab	1
CISA 305	Beginning Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISC 300	Computer Familiarization	1
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
MATH 120	Intermediate Algebra	5[1]
A minimum of 2 units from the following:		2[2]
WEXP 498	Work Experience in (Subject) (1 - 4)	
Total Units:		**35 - 36**

[1]or placement beyond MATH 120

[2]Students should enroll in WEXP 498 in (Subject) a total of two times as listed: first enrollment, 1 unit; second enrollment, 1 unit.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply routine chemistry principles and laboratory skills needed to safely work in a commercial lab using chemical technology with limited supervision.
- apply problem-solving and analytical thinking skills in the planning, execution, and interpretation of chemistry lab work.
- correctly use basic laboratory equipment and common chemistry laboratory instruments to process materials and/or collect data.
- demonstrate proficient oral and written communication skills necessary to report and discuss common chemistry laboratory processes with other scientifically trained personnel.
- demonstrate an understanding of safety practices, including proper chemical waste disposal procedures.

Career Information

Employment data indicates that there are a significant number of intermediate level science lab technicians employed in this region. Students who complete the Intermediate Chemical Technology Program may work in environmental monitoring and pollution analysis, materials testing, medical testing, or quality control. They may work in laboratories supporting manufacturing, agriculture, medical research, the petrochemical industry, or government agencies.

Chemical Technology Certificate

The Chemical Technology Program trains students for a wide variety of scientific laboratory technician career opportunities. Students not only will be instructed in the theory and fundamentals of chemistry, but they will also be exposed to hands-on training with lab equipment and sophisticated state-of-the-art lab instrumentation. Students will be taught how to follow safety procedures, how to perform standard laboratory techniques, and how to prepare clear, thorough lab reports.

Throughout the program there will be emphasis on clear written communication and correct mathematical calculations. Students will be challenged to strengthen problem-solving and critical-thinking skills. They also will have opportunities to develop effective verbal communication and to use software commonly employed in scientific labs.

A student who satisfactorily completes the program will be awarded a Certificate of Achievement. Students who complete the program may also qualify for an Associate in Science degree by fulfilling the Graduation Requirements specified in this catalog.

Certificate Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
CHEM 410	Quantitative Analysis	5[1]
CHEM 420	Organic Chemistry I (5)	4 - 5
or CHEM 425	Organic Chemistry with Biological Emphasis I (4)	
CHEM 421	Organic Chemistry II (5)	4 - 5
or CHEM 426	Organic Chemistry with Biological Emphasis II (4)	
A minimum of 3 units from the following:		3[2]
BUS 310	Business Communications (3)	
ENGWR 488	Honors College Composition and Research (4)	
or ENGWR 300	College Composition (3)	
ENGWR 301	College Composition and Literature (3)	
ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
or ENGWR 302	Advanced Composition and Critical Thinking (3)	

Course Code	Course Title	Units
ESLW 340	Advanced Composition (4)	
Total Units:		**26 - 28**

[1]Offered in spring only.

[2]This requirement is to ensure that recipients of the Chemical Technology Certificate of Achievements have writing skills.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Students must complete high school intermediate algebra or MATH 120 or its equivalent with a grade of "C" or better.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply problem-solving and analytical thinking skills in the planning, execution, and interpretation of chemistry lab work.
- correctly use common chemistry laboratory instruments to process materials and/or collect data.
- demonstrate oral and written communication skills necessary to report and discuss chemistry laboratory processes with other scientifically trained personnel.
- demonstrate an understanding of safety practices, including proper chemical waste disposal procedures.

Career Information

Employment data indicates that there are a large number of science lab technicians employed in this region. Students who complete the Chemical Technology Program may work in environmental monitoring and pollution analysis, materials testing, medical testing, or quality control. They may work in laboratories supporting manufacturing, agriculture, medical research, the petrochemical industry, or government agencies.

Chemical Technology (CHEMT) Courses

CHEMT 201 Careers in Chemical Technology

Units: 1.5
Hours: 27 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better

This course provides the student with information needed to determine if chemical technology is a suitable career option. Definitions of chemical technology, history and development of the profession, and the diverse types of laboratory practice and employment settings are explored. Professional activities, requirements, ethics, and behaviors are also discussed. Students observe examples of chemical technology practice through field trips, videos, guest speaker presentations, and/or use of online media resources. Attending a minimum of one field trip is required.

CHEMT 202 Chemical Technology Seminar

Units: 0.5
Hours: 9 hours LEC
Prerequisite: CHEMT 201 with a grade of "C" or better
Advisory: ENGWR 300 with a grade of "C" or better

This course provides the student with more in-depth information needed to determine if chemical technology is a suitable career option. Students observe examples of chemical technology practice through field trips, videos, guest instructor presentations, job shadow, and/or use of online media resources.

CHEMT 299 Experimental Offering in Chemical Technology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

CHEMT 301 Chemical Technology Supplemental Lab

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: CHEM 300
Transferable: CSU

This is a supplemental course that is intended to provide additional laboratory skills that are required for the Chemical Technology Level 1 certificate.

CHEMT 429 Research in Chemistry

Units: 1
Hours: 54 hours LAB
Prerequisite: CHEM 410 with a grade of "C" or better
Transferable: CSU

This course involves an individual student or small groups of students in a supervised research in various topics in chemistry. Research in chemistry offers students a chance to do research and/or experimentation that is more typical of industry and graduate student work, under the guidance of supervising faculty. This course will in part fulfill the program requirement of the Chemical Technician, Advanced Certificate.

CHEMT 499 Experimental Offering in Chemical Technology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Chemistry (CHEM) Courses

CHEM 110 Preparatory Chemistry

Units: 2
Hours: 36 hours LEC
Prerequisite: None.

This course covers the most fundamental concepts of chemistry and is intended primarily to prepare students for UCD's Chemistry 2A (General Chemistry). This course is graded on a Pass/No Pass basis.

CHEM 299 Experimental Offering in Chemistry

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

CHEM 300 Beginning Chemistry

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: MATH 100 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in CHEM 317, and meeting eligibility for ENGWR 300
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C

This is a lecture and laboratory course that covers the fundamental concepts of chemistry. This course assumes no previous knowledge of chemistry, presenting both chemical problem solving and laboratory skills. This course is intended primarily to prepare students for CHEM 400.

CHEM 305 Introduction to Chemistry

Units: 5
Hours: 72 hours LEC; 54 hours LAB
Prerequisite: MATH 100 with a grade of "C" or better OR MATH 103 and MATH 104 with grades of "C" or better, or equivalent.
Advisory: ENGWR 101 with a grade of "C" or better; Concurrent enrollment in CHEM 317.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
C-ID: C-ID CHEM 101

This course presents the fundamental principles of chemistry including types of matter, physical and chemical processes, chemical bonds, atomic and molecular structure, nuclear chemistry, stoichiometry, states of matter, intermolecular forces, solutions, types of chemical reactions, acids and bases, thermodynamics, kinetics, equilibrium, and a brief introduction to organic chemistry. It is primarily designed for majors in the allied health fields (nursing, dental hygiene, physical therapy, etc.), natural resources, environmental technology, and physical education. Online homework assignments may be required.

CHEM 306 Introduction to Organic and Biological Chemistry

Units: 5
Hours: 72 hours LEC; 54 hours LAB
Prerequisite: CHEM 305 with a grade of "C" or better
Advisory: ENGWR 300 with a grade of "C" or better and concurrent enrollment of CHEM 317
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
C-ID: C-ID CHEM 102

CHEM 306 is a continuation of CHEM 305. It is designed to provide a basic overview of organic chemistry and biochemistry. The organic chemistry portion includes the chemistry and properties of organic functional groups and their applications in biological systems. The biochemistry portion emphasizes the structure and function of carbohydrates, lipids, and proteins and their regulation in the body. This course is primarily designed for majors in the allied health fields (nursing, dental hygiene, physical therapy, etc.), natural resources, environmental technology, and physical education. Online homework may be required.

CHEM 309 Integrated General, Organic, and Biological Chemistry

Units: 5
Hours: 72 hours LEC; 54 hours LAB
Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
C-ID: C-ID CHEM 101

This course is an intensive survey of general, organic, and biological chemistry specifically designed for nursing majors and other allied health-related fields. Topics include general chemistry, organic chemistry, and biological chemistry as applied to the chemistry of the human body. This course satisfies the requirements of those health-career programs that require one or two semesters of chemistry.

CHEM 317 Strategies for Problem Solving in Chemistry

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Corequisite: CHEM 300, 305, 306, 309, 420, 421, 425, or 426
Transferable: CSU

This course will focus on developing analytical reasoning strategies, critical thinking skills, and problem-solving abilities for both quantitative and qualitative problems in chemistry. The course is designed to support students in beginning chemistry (CHEM 300), introductory chemistry applied to the health sciences (CHEM 305), organic and biochemistry applied to the health sciences (CHEM 306), integrated general, organic, and biological Chemistry (CHEM 309), organic chemistry with a biological emphasis (CHEM 425 and CHEM 426), and organic chemistry for chemistry majors (CHEM 420 and CHEM 421). Strategies and content will be specific to the area of chemistry. Each section of CHEM 317 is associated with a specific chemistry course taken from the list above.

CHEM 320 Environmental Chemistry

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A

This course explores the relationships between human beings and their living and nonliving environments with regard to the chemical substances that are encountered in everyday life. The role of chemistry in both creating environmental problems as well as providing solutions will be examined. At the conclusion of the course, the student will be able to use everyday tools in understanding and dealing with environmental problems and become a more critical consumer of products affecting the environment. The laboratory is designed to familiarize the student with the methods of science while investigating the presence and interaction of chemicals in the environment.

CHEM 326 Water and Wastewater Treatment Chemistry

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 365 or MET 366 with a grade of "C" or better
Advisory: MET 375 or MET 376 with a grade of "C" or better or concurrent enrollment in MET 375 or MET 376

This course includes basic chemical principles particularly relevant to water and wastewater treatment. Key principles discussed include basic atomic structure, chemical bonding, equations and reactions, reaction rates and equilibrium, acids and bases, oxidation-reduction, and an introduction to organic chemistry. Components of this course may be offered on-line. Students may be required to have access to a computer and the Internet and have some familiarity with a computer.

CHEM 330 Adventures in Chemistry

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A

This course is a survey of the fundamental concepts and contemporary applications of chemistry. Students will explore the real world applications of chemistry in the home, the environment, health, fitness, nutrition, medicine, and modern technology. The course is designed for non-science majors.

CHEM 333 The Science of Coffee

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A

This course is an exploration of how science can be applied to everyday life: making a good cup of coffee. Students will investigate many phenomena including the law of conservation of mass, acids and bases, pH, mass transfer, colloid science, fluid dynamics, specific heat capacity, refractive index, Snell's law and intermolecular forces. Students will use their understanding of these phenomena to optimize several variables that impact the taste of coffee in pursuit of brewing the best cup of coffee. This course may include an optional field trip.

CHEM 336 Art and Chemistry

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A

This course is an exploration of the chemistry of art and art media. Students will investigate, through a variety of lecture and laboratory activities, the scientific basis of paints, dyes, photography, fresco, metalworking, fabric, polymers, glass work, art preservation/restoration, art forgery, and chemical hazards in art. Chemical concepts such as the atomic nature of matter, molecules, elements, compounds, chemical bonding, chemical reactions, intermolecular forces, acids and bases, solubility, spectroscopy, oxidation and reduction, and carbon chemistry will be discussed as they apply to the chemical nature of art.

CHEM 400 General Chemistry I

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: CHEM 300 with a grade of "C" or better completed within one year prior to enrollment in CHEM 400 or placement through the assessment process (ACS California Chemistry Diagnostic Exam) completed within one year prior to enrollment in CHEM 400 (students having taken CHEM 310, CHEM 305, or another chemistry course must complete the assessment process within one year prior to enrollment in CHEM 400) AND MATH 120 or MATH 124 with a grade of "C" or better, or placement through the assessment process. Both prerequisites will be checked at the beginning of the first class meeting.
Advisory: ENGWR 300 with a grade of "C" or better; All students enrolling in this course are strongly advised to take the chemistry and math assessment exams administered through the Assessment Center, regardless of prior coursework. These exams provide a better idea of a student's readiness for college level general chemistry, since they measure the actual chemistry and math capabilities of the student as they enroll in the course, rather than at the completion of their preparatory coursework.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
C-ID: C-ID CHEM 110; Part of C-ID CHEM 120S

CHEM 400 covers the fundamental principles and concepts of chemistry including chemical nomenclature, balancing reactions, stoichiometry, thermochemistry, acid/base and reduction/oxidation (redox) reactions. Also covered are theories addressing atomic and molecular structure and bonding, as well as the physical and chemical properties of gases, liquids, solids, and solutions, including intermolecular forces. One hour per week will be devoted to discussion/problem solving sessions. Laboratory experiments are primarily quantitative, requiring good technique and critical thinking. CHEM 400 is for students majoring in biology, chemistry, pre-dentistry, pre-

medicine, pre-pharmacy, and engineering. Online homework may be required.

CHEM 401 General Chemistry II

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: CHEM 400 with a grade of "C" or better
Advisory: ENGRD 310, ENGWR 101, and MATH 370; with a grade of "C" or better; or placement through the assessment process
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
C-ID: Part of C-ID CHEM 120S

CHEM 401 is a continuation of CHEM 400. This course includes topics in kinetics, thermodynamics, gas-phase equilibrium, ionic equilibrium, solubility, acid/base chemistry, buffers, electrochemistry, chemistry of coordination compounds, and nuclear chemistry. A brief introduction to organic chemistry is also included. Critical thinking and writing skills will be practiced in this course. CHEM 401 is for students in biology, chemistry, pre-dentistry, pre-medicine, pre-pharmacy, engineering, and other physical sciences. The laboratory includes both quantitative and qualitative experiments and some qualitative analysis. Written laboratory reports are required. It is highly recommended that CHEM 400 and 401 be taken during consecutive semesters. Some sections may require on-line homework.

CHEM 410 Quantitative Analysis

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: CHEM 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A

This is a course in chemical quantitative analysis. Emphasis is placed on the proper design, control, and handling of experimental data obtained through the use of various analytical methods. For example, volumetric, spectrophotometric, and chromatographic methods are employed. Students will calibrate glassware and instruments, design and validate experimental methods, keep a detailed laboratory notebook, and prepare and deliver scientific reports. This course is for students planning careers in chemistry, biochemistry, chemical engineering, forensics, pre-pharmacy, biology, molecular biology, and microbiology.

CHEM 420 Organic Chemistry I

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: CHEM 401 with a grade of "C" or better.
Advisory: Concurrent enrollment in CHEM 317.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
C-ID: C-ID CHEM 150; Part of C-ID CHEM 160S

This is a lecture-laboratory course designed to introduce students to the study of basic concepts of organic chemistry. Lecture topics include chemistry of alkanes, cycloalkanes, alkenes, alkyl halides, alcohols, and ether with emphasis on stereochemistry, reaction mechanisms, and spectroscopy. Laboratory work includes basic techniques of separation and identification. Students will be introduced to a variety of modern instrumentation (GC, HPLC, FT-IR, GC-MS) in the laboratory.

CHEM 421 Organic Chemistry II

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: CHEM 420 with a grade of "C" or better
Advisory: CHEM 317 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
C-ID: C-ID CHEM 160; Part of C-ID CHEM 160S

This course is a lecture-laboratory course that is a continuation of CHEM 420. Lecture topics include the chemistry of ethers, epoxides, conjugated dienes, aromatic compounds, carbonyl compounds, enolate condensation, amines, phenols, polymerization reactions, and selected biologically important compounds. The course also includes continued application of spectroscopic methods (IR, NMR, UV-vis and MS) applied to organic chemistry. Laboratory emphasis is on the preparation, isolation, quantitation, purification, identification, and mechanism elucidation using both traditional and instrumental techniques. Students will continue to expand their ability to operate and utilize a variety of modern chemical instrumentation: Gas Chromatography, High Performance Liquid Chromatography, Fourier Transform Infrared Spectroscopy, and Gas Chromatography-Mass Spectroscopy.

CHEM 423 Organic Chemistry - Short Survey

Units: 5
Hours: 72 hours LEC; 54 hours LAB
Prerequisite: CHEM 401 with a grade of "C" or better
Transferable: UC
General Education: CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C

This course is a survey of carbon containing compounds with emphasis on organic compounds of biological interest. Topics include the chemistry of organic functional groups, infrared spectroscopy, and mechanisms of reactions. This course is designed primarily for students majoring in the life sciences, nutrition and dietetics, and related fields. This course is not recommended for students majoring in chemistry, chemical engineering, medicine, dentistry, pharmacy, or chiropractics.

CHEM 425 Organic Chemistry with Biological Emphasis I

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CHEM 401 with a grade of "C" or better
Advisory: Concurrent enrollment in CHEM 317.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
C-ID: Part of C-ID CHEM 160S

The CHEM 425, 426 series is designed to fulfill the requirements of students planning professional school studies in the health and biological sciences. It will also satisfy the needs of students majoring in the life sciences and related areas. This course is intended for students not majoring in chemistry and not planning to take additional courses in

organic chemistry beyond the CHEM 425, 426 series. Lecture topics include the preparation, properties, and reactions of alkanes, alkenes, alkynes, alkyl halides, alcohols, and radical chemistry, with emphasis on applications in the biological sciences. Also included are stereoisomerism and spectroscopy. Laboratory work covers standard laboratory practices including extraction, crystallization, organic synthesis, reaction analysis, gas chromatography, thin layer chromatography, and infrared spectroscopy.

CHEM 426 Organic Chemistry with Biological Emphasis II

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CHEM 420 or 425 with a grade of "C" or better
Advisory: Concurrent enrollment in CHEM 317.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
C-ID: Part of C-ID CHEM 160S

This course is a continuation of CHEM 425. It focuses on the preparation, properties, reactions, spectroscopy (IR, HNMR, CNMR, and UV), and mass spectrometry of organic compounds, including benzene and benzene derivatives, aldehydes, ketones, dicarbonyl compounds, carboxylic acids, carboxylic acid derivatives, and amines. Applications in the biological sciences are emphasized. Biological macromolecule organic chemistry (carbohydrates, proteins, etc.) is also presented. Laboratory work includes qualitative analysis, distillation, multi-step organic synthesis, and use of analytical instrumentation (FTIR, GC, and GC-MS) for characterization of compounds.

CHEM 484 Advanced General Chemistry - Honors

Units: 1
Hours: 54 hours LAB
Prerequisite: CHEM 400 with a grade of "C" or better
Enrollment Limitation: Eligibility for the Honors Program.
Transferable: CSU; UC
General Education: CSU Area B1; CSU Area B3

Honors Advanced General Chemistry provides advanced studies of chemical concepts introduced in CHEM 400 and related concepts, including advanced laboratory work. This honors course uses an intensive methodology designed to challenge motivated students. For this course, each student does research on a particular project with an advisor who is a chemistry professor.

CHEM 494 Topics in Chemistry

Units: 0.5 - 3
Hours: 9 - 54 hours LEC
Prerequisite: Determined by topic
Transferable: CSU

This course is designed to enable science majors and non-science majors to learn about special topics in chemistry, such as recent developments or current issues. UC transfer credit may be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted toward the minimum 60 units required for admissions.

CHEM 495 Independent Studies in Chemistry

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

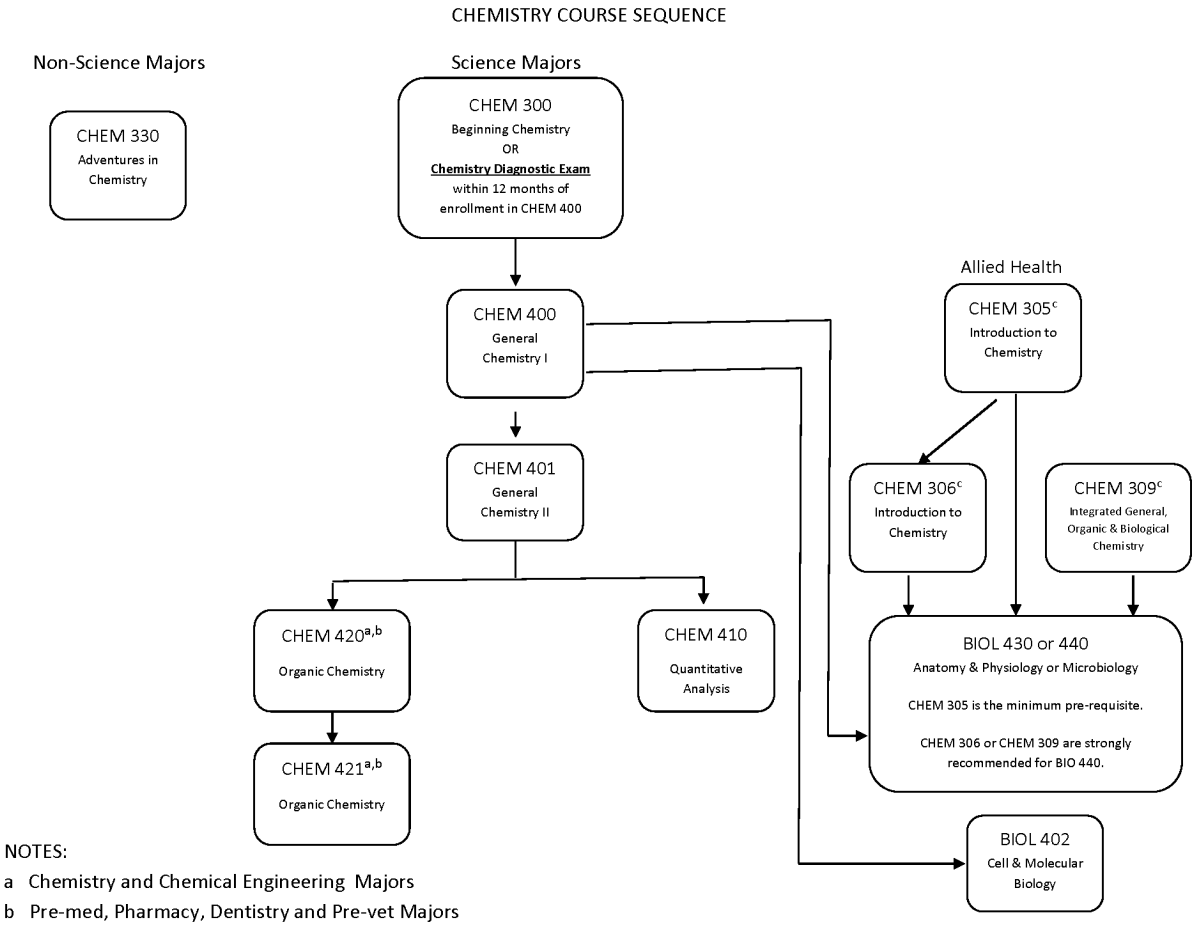
This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among college, faculty members, and students. Independent studies in chemistry offers students a chance to do research and/or experimentation that is more typical of industry and graduate student work.
UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

CHEM 499 Experimental Offering in Chemistry

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Chemistry Course Sequence



NOTES:

a Chemistry and Chemical Engineering Majors

b Pre-med, Pharmacy, Dentistry and Pre-vet Majors

c CHEM 309 is recommended if a student would like to take CHEM 306, BUT it has been two or more years since they took CHEM 305.

Communication

The Communication Department offers a variety of courses designed to meet students' needs for graduation, transfer, and personal and professional development. Students earning the Associate of Arts degree in Communication will be able to understand and apply human communication concepts relating to presentational speaking, critical thinking, group and interpersonal relationship development, and professional growth.

Degrees Offered

A.A.-T. in Communication Studies

A.A. in Communication

Dean Patti Leonard

Department Chair David Fabionar

Phone (916) 558-2558

Email FabionD@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Communication Studies

The Communication Department offers a variety of courses designed to meet students' needs for graduation, transfer, and personal and professional development. Students earning the Associate of Arts degree in Communication will be able to understand and apply human communication concepts relating to presentational speaking, critical thinking, group and interpersonal relationship development, and professional growth.

Transfer: Courses offered by the Communication Department meet a wide range of lower division transfer requirements for CSU and UC colleges. The department offers many courses designed to prepare students for transfer to a variety of disciplines including Business, Communication Studies, Criminal Justice, Education, Liberal Arts, Pre-Law, Mass Media, Management, Psychology, Sociology, and Social Work.

Forensics: The Los Rios Forensics team helps students improve their critical thinking and oral presentation skills. The Forensics team provides a high level of intercollegiate competition through the Forensics Laboratory course. Students who participate in this award-winning team compete in debate, public speaking, oral interpretation of literature and drama, impromptu speaking, and reader's theater. This program enhances the college experience and polishes the skills that employers actively request.

The Associate in Science in Communication Studies for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will transfer with junior standing to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):
(1) Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
COMM 301	Introduction to Public Speaking (3)	3
or COMM 481	Introduction to Public Speaking - Honors (3)	
A minimum of 6 units from the following:		6[1]
COMM 311	Argumentation and Debate (3)	
COMM 321	Interpersonal Communication (3)	
COMM 331	Group Discussion (3)	
A minimum of 6 units from the following:		6
Choose only courses not used from the previous list.		
COMM 311	Argumentation and Debate (3)	
COMM 321	Interpersonal Communication (3)	
COMM 325	Intercultural Communication (3)	
COMM 331	Group Discussion (3)	
JOUR 310	Mass Media and Society (3)	
or COMM 351	Mass Media and Society (3)	
or ENGWR 384	Mass Media and Society (3)	
COMM 374	Forensics Laboratory (1 - 3)	
A minimum of 3 units from the following:		3
Choose any course not used from the previous lists.		
COMM 303	Mediated Oral Communication (3)	
COMM 305	Oral Interpretation (3)	
COMM 311	Argumentation and Debate (3)	
COMM 315	Persuasion (3)	
COMM 316	Advanced Argumentation and Critical Thinking (3)	
COMM 321	Interpersonal Communication (3)	
COMM 325	Intercultural Communication (3)	
COMM 331	Group Discussion (3)	
COMM 335	Conflict Management (3)	
COMM 341	Organizational Communication (3)	
JOUR 310	Mass Media and Society (3)	
or COMM 351	Mass Media and Society (3)	
or ENGWR 384	Mass Media and Society (3)	
COMM 361	The Communication Experience (3)	
COMM 374	Forensics Laboratory (1 - 3)	
Total Units:		**18**

[1]Each course can only be used to satisfy one of the three areas.

The Associate in Arts in Communication Studies for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of classical and contemporary human communication theories and their intra- and interdisciplinary natures.
- critically analyze a wide array of evidence and reasoning to identify and provide appropriate and credible support for written and oral communication.
- identify and demonstrate effective and appropriate written and oral communication skills, both verbal and nonverbal, in a variety of communication contexts and with diverse populations.
- identify and demonstrate ethical communication across a variety of contexts.
- perform as an active listener and provide appropriate feedback.

Career Information

The number one skill employers seek is effective communication. Courses in communication enhance understanding and skills for transfer preparation, professional development, and personal growth. The degree and program enhances opportunities for employment and promotion in fields including education, law enforcement, law, health, management, organizational development, psychology, public service, sales, training, entertainment, and social services.

Associate Degrees

A.A. in Communication

The Communication Department offers a variety of courses designed to meet students' needs for graduation, transfer, and personal and professional development. Students earning the Associate of Arts degree in Communication will be able to understand and apply human communication concepts relating to presentational speaking, critical thinking, group and interpersonal relationship development, and professional growth.

Transfer: Courses offered by the Communication Department meet a wide range of lower division transfer requirements for CSU and UC colleges. The department offers many courses designed to prepare students for transfer to a variety of disciplines including Business, Communication Studies, Criminal Justice, Education, Liberal Arts, Pre-Law, Mass Media, Management, Psychology, Sociology, and Social Work.

Forensics: The Los Rios Forensics team helps students improve their critical thinking and oral presentation skills. The Forensics team provides a high level of intercollegiate competition through the Forensics Laboratory course. Students who participate in this award-winning team compete in debate, public speaking, oral interpretation of literature and drama, impromptu speaking, and reader's theater. This program enhances the college experience and polishes the skills that employers actively request.

Degree Requirements

Course Code	Course Title	Units
COMM 301	Introduction to Public Speaking (3)	3
or COMM 481	Introduction to Public Speaking - Honors (3)	
A minimum of 6 units from the following:		6[1]
COMM 311	Argumentation and Debate (3)	
COMM 321	Interpersonal Communication (3)	
COMM 331	Group Discussion (3)	
A minimum of 6 units from the following:		6
Choose only courses not used from the previous list.		
COMM 311	Argumentation and Debate (3)	
COMM 321	Interpersonal Communication (3)	
COMM 325	Intercultural Communication (3)	
COMM 331	Group Discussion (3)	
JOUR 310	Mass Media and Society (3)	
or COMM 351	Mass Media and Society (3)	
or ENGWR 384	Mass Media and Society (3)	
COMM 374	Forensics Laboratory (1 - 3)	
A minimum of 3 units from the following:		3
Choose any course not used from the previous lists.		
COMM 303	Mediated Oral Communication (3)	
COMM 305	Oral Interpretation (3)	
COMM 311	Argumentation and Debate (3)	
COMM 315	Persuasion (3)	
COMM 316	Advanced Argumentation and Critical Thinking (3)	
COMM 321	Interpersonal Communication (3)	
COMM 325	Intercultural Communication (3)	
COMM 331	Group Discussion (3)	
COMM 335	Conflict Management (3)	
COMM 341	Organizational Communication (3)	
JOUR 310	Mass Media and Society (3)	
or COMM 351	Mass Media and Society (3)	
or ENGWR 384	Mass Media and Society (3)	
COMM 361	The Communication Experience (3)	
COMM 374	Forensics Laboratory (1 - 3)	
Total Units:		**18**

[1]Each course can only be used to satisfy one of the three areas.

The Communication Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general

education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of classical and contemporary human communication theories and their intra- and interdisciplinary natures.
- critically analyze a wide array of evidence and reasoning to identify and provide appropriate and credible support for written and oral communication.
- identify and demonstrate effective and appropriate written and oral communication skills, both verbal and nonverbal, in a variety of communication contexts and with diverse populations.
- identify and demonstrate ethical communication across a variety of contexts.
- perform as an active listener and provide appropriate feedback.

Career Information

The number one skill employers seek is effective communication. Courses in communication enhance understanding and skills for transfer preparation, professional development, and personal growth. The degree and program enhances opportunities for employment and promotion in fields including education, law enforcement, law, health, management, organizational development, psychology, public service, sales, training, entertainment, and social services.

Communication (COMM) Courses

COMM 270 Communication Laboratory

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Corequisite: Concurrent enrollment in at least one Communication course.

This course provides individualized, self-paced, and/or small group instruction in basic oral communication skills. Individualized instructional modules are designed to help the student acquire or improve communication skills in specific areas including public speaking, argumentation, small group communication, forensics speaking, intercultural communication, and interpersonal communication. Students may work with peer tutors and instructors to improve their understanding and skills in speech organization, preparation of presentation aids, delivery of oral messages, creating group agendas, etc. The course is graded as Pass/No Pass. Students earn 0.5 units for every 27 hours of coursework completed, allowing them to earn from 0.5-3 units.

COMM 301 Introduction to Public Speaking

Units: 3
Hours: 54 hours LEC
Prerequisite: Completion of ENGWR 300 or ESLW 340 with a grade of "C" or higher or concurrent enrollment in ENGWR 300 or ESLW 340.
Advisory: LIBR 318 with a grade of "C" or better, and concurrent enrollment in COMM 270.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A1; IGETC Area 1C
C-ID: C-ID COMM 110

This course prepares students to speak in a variety of rhetorical situations: academic, professional, social, and political. Students develop skills in ethical research, analytical thinking and listening, organization and outlining, and effective verbal and nonverbal delivery of messages for diverse audiences. Each student will complete a minimum of twenty-two minutes of evaluated speaking time “live” in the presence of others. This course is designed for students who already have college-level writing skills. Students conduct primary and secondary research to create original informative and persuasive oral presentations and incorporate this research into formal outlines using APA or MLA style citations. Recording equipment may be used as an aid to the student's self-analysis and improvement. Access to a computer with online capabilities may be required and is available on campus. Students may also be required to record speeches for instructor and peer feedback.

COMM 303 Mediated Oral Communication

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Advisory: COMM 301 with a grade of "C" or better; Completion of CISA 340 with grade of "C" or better or proficiency with computer presentation graphics (e.g., PowerPoint)
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A1; IGETC Area 1C

This course focuses on the analysis and practice of effective oral communication using a variety of mediums with diverse audiences. Focus is placed on the design and delivery of oral messages in traditional public speaking situations as well as via auditory and visual channels. As this course meets the oral communication requirement, each student will be required to deliver oral presentations in front of a live audience (virtually or physically). Students are required to actively participate in online groups and deliver group oral presentations via video conferencing. This course is designed for students who already have college-level writing skills. Students conduct primary and secondary research to create informative and persuasive oral presentations and incorporate this research into formal outlines using APA or MLA style citations. Recording equipment, recording facilities, and access to a computer with online capabilities is required and is available on campus.

COMM 305 Oral Interpretation

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: COMM 301, ENGRD 310, and ENGWR 301 with grades of "C" or better
Transferable: CSU; UC

General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID COMM 170

This course introduces students to the field of performance studies through the oral interpretation of various literary forms, including Western and Non-Western forms of literature. Theoretical issues and historical developments are examined and applied to the current performance trends in solo, duo, and interpreters' theater. The focus is on audience analysis, selection, and thematic analysis of literature, discussion, and application of vocal and physiological delivery techniques, program performance, and post-performance evaluation.

COMM 311 Argumentation and Debate

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Advisory: Completion of COMM 301 with a grade of "C" or better, LIBR 320 with a grade of "C" or better, and concurrent enrollment in COMM 270.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A1; CSU Area A3; IGETC Area 1C
C-ID: C-ID COMM 120

This course introduces students to the role of argument in public discourse. Students develop presentational skills necessary for public advocacy. Assignments include researching, preparing, and presenting sound arguments, as well as developing strategies for refuting others' arguments. Students will explore areas of social, economic, and political controversy through the format of academic debate. Recording equipment may be used as an aid to the student's self-analysis and improvement.

COMM 315 Persuasion

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 or ESLW 340 with a grade of "C" or better
Advisory: Completion of LIBR 318 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A3
C-ID: C-ID COMM 190

This course presents fundamental theories and techniques of persuasion as they occur in various communication contexts, including commercial, interpersonal, public, and mass media. Students develop critical thinking skills by engaging in oral and written analysis, evaluation, and composition of persuasive messages and by examining the personal, political, cultural, and social impacts of persuasion. Students explore ethical considerations of persuasive communication; learn about types of reasoning; and identify fallacious arguments as they occur in persuasion.

COMM 316 Advanced Argumentation and Critical Thinking

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 or ESLW 340 with a grade of "C" or better
Advisory: LIBR 325 or LIBT 325 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A3; IGETC Area 1B

This course is designed to extend students' critical thinking, argumentation, and reasoning in the context of the communication environment. The goal is to expand understanding of their logical processes and their relation to both written and spoken communication. Students will develop the ability to analyze, criticize, and advocate for ideas; to reason inductively and deductively; and to reach well-supported factual or judgmental conclusions. Elementary inductive and deductive processes will be covered, including an understanding of the formal and informal fallacies of language and thought and the ability to distinguish matters of fact from issues of judgment or opinion. Significant emphasis will be on the sophistication of written skills surrounding argument and rhetoric. Students will write a minimum of 6,500 words.

COMM 321 Interpersonal Communication

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of “C” or better, or placement into ENGWR 300 through the assessment process, and completion of ENGRD 110 or ESLR 320 with a grade of “C” or better.
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area D7; IGETC Area 4G
C-ID: C-ID COMM 130

This course focuses on the exploration of communication skills associated with establishing and maintaining satisfying interpersonal relationships. Through theory, discussion, simulations, and structured exercises, students will explore various approaches to successful communication in interpersonal contexts. This course strives to increase an individual's interpersonal communication effectiveness through heightened awareness and greater skill as both a sender and receiver of shared messages.

COMM 325 Intercultural Communication

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of “C” or better, or placement into ENGWR 300 through the assessment process, and completion of ENGRD 110 or ESLR 320 with a grade of “C” or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4G
C-ID: C-ID COMM 150

This course introduces students to the challenges and promises of intercultural communication emphasizing the various aspects of co-cultures within the United States. Variations and commonalities in communication patterns across cultures are examined. Communication processes and outcomes between persons of different cultural backgrounds are also explored. The course emphasizes practical application of factors that influence communication between individuals of different cultures.

COMM 331 Group Discussion

Units: 3
Hours: 54 hours LEC
Prerequisite: Completion of ENGWR 300 or ESLW 340 with a grade of "C" or higher or concurrent enrollment in ENGWR 300 or ESLW 340.
Advisory: LIBR 318 with a grade of "C" or better, and concurrent enrollment in COMM 270.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A1; IGETC Area 1C
C-ID: C-ID COMM 140

This course prepares students to understand and analyze group dynamics and to function more effectively in task and social groups. The course addresses communication concepts and behaviors including problem solving, decision making, leadership, group roles, norms, and conformity. Each student will complete a minimum of twenty-two minutes of evaluated speaking time through oral presentations (individual or group) "live" in the physical presence of others. This course is designed for students who already have college-level writing skills. Students conduct primary and secondary research to create informative and persuasive oral presentations and incorporate this research into formal outlines using APA or MLA style citations. Recording equipment may be used as an aid to the student's self-analysis and improvement. Access to a computer with online capabilities may be required and is available on campus.

COMM 335 Conflict Management

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Placement into ENGWR 300 through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area D; IGETC Area 4

This course examines the communication behaviors involved in the process of interpersonal, work group, and organizational conflicts. Course content will focus on conceptual understanding of theoretical foundations in the social sciences. Application and activities will address the components of conflict and the strategies by which conflict may effectively be managed in personal and professional settings.

COMM 341 Organizational Communication

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of “C” or better, or placement into ENGWR 300 through the assessment process, and completion of ENGRD 110 or ESLR 320 with a grade of “C” or better.
Transferable: CSU
General Education: AA/AS Area V(b); AA/AS Area II(b); CSU Area D7

This course is designed to allow students to examine both theoretical and pragmatic essentials of effective organizational communication from preparation and presentation to effective observation and analysis. Students will explore the dynamics of organizational communication in various situations including focus groups, quality control groups, ad hoc committees, conflict negotiation teams, and problem solving and decision making groups. The roles of internal and external messages in the communication process and organizational effectiveness will be examined and analyzed.

COMM 351 Mass Media and Society

Same As: ENGWR 384 and JOUR 310
Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 51 or ESLW 310 with a grade of "C" or better; or placement into ENGWR 101 or ESLW 320 through the assessment process
Advisory: ENGWR 101 or ESLW 320 with a "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D4; IGETC Area 4G
C-ID: C-ID JOUR 100

This is an interdisciplinary course exploring aspects of communication and the impact of mass media on the individual and society. The survey includes basic communication models, books, magazines, newspapers, recordings, movies, radio, television, advertising, public relations, the Internet, theories of communication, relationships between mass media and business and government, and processes and effects from a social science perspective. Credit may be awarded for only one section of either COMM 351, ENGWR 384, or JOUR 310.

COMM 361 The Communication Experience

Units: 3
Hours: 54 hours LEC
Prerequisite: Completion of ENGWR 300 or ESLW 340 with a grade of "C" or higher or concurrent enrollment in ENGWR 300 or ESLW 340.
Advisory: LIBR 318 with a grade of C or better, and concurrent enrollment in COMM 270.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A1; IGETC Area 1C

In this course, students analyze and practice effective communication in a variety of settings with diverse audiences. Focus is placed on effective communication in groups, facilitation of interpersonal relationships, and methods of managing conflict, as well as message design and delivery for multiple purposes and to diverse audiences. Students are required to actively participate in groups and deliver original individual and group oral presentations. Each student will complete a minimum of twenty-two minutes of evaluated speaking time through oral presentations “live” in the physical presence of others. This course is designed for students who already have college-level writing skills. Students conduct primary and secondary research to create informative and persuasive oral presentations, and incorporate this research into formal outlines using APA or MLA style citations. Recording equipment may be used as an aid to the student's self-analysis and improvement. Access to a computer with online capabilities may be required and is available on campus.

COMM 374 Forensics Laboratory

Units: 1 - 3
Hours: 9 - 18 hours LEC; 27 - 108 hours LAB
Prerequisite: None.

Advisory: COMM 301 or COMM 311 with grades of "C" or better
Transferable: CSU
C-ID: C-ID COMM 160B

Through individualized instruction and participation in public speaking events, academic debate, or literature interpretation, students will develop speaking, organization, and listening skills, as well as the ability to recognize matters of political, social, and economic importance. This course helps students develop their skills as critical thinkers and competent speakers, giving practice in preparing for and participating in at least one officially sanctioned intercollegiate forensics competition. Areas of interest include academic debate, platform speeches (persuasive, informative, speech to entertain, communication analysis), limited preparation speeches (impromptu, extemporaneous), and oral interpretation of literature performances.

As all students must participate in at least one intercollegiate forensics tournament, field trips to tournaments and other speaking events are required. The course may be taken four times for a maximum of twelve units.

COMM 481 Introduction to Public Speaking - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: Completion of ENGWR 300 or ESLW 340 with a grade of "C" or higher or concurrent enrollment in ENGWR 300 or ESLW 340.
Advisory: LIBR 318 with a grade of "C" or better, and concurrent enrollment in COMM 270. Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A1; IGETC Area 1C

This course prepares students to speak in a variety of rhetorical situations: academic, professional, social, and political. Students develop skills in ethical research, analytical thinking and listening, organization and outlining, and effective verbal and nonverbal delivery of messages for diverse audiences. Each student will complete a minimum of 22 minutes of evaluated speaking time. This course is designed for students who already have college-level writing skills. Students conduct primary and secondary research to create informative and persuasive oral presentations and incorporate this research into formal outlines using APA or MLA style citations. Recording equipment may be used as an aid to the student's self-analysis and improvement. Access to a computer with online capabilities may be required and is available on campus. Students may also be required to record speeches for instructor and peer feedback.
As an Honors Course, this course requires students to (1) compose and present professional conference paper presentations, (2) learn about and demonstrate competence in Q & A sessions following presentations, and (3) analyze and apply critical evaluation skills through academic papers.
This course is not open to students who have completed COMM 301.

COMM 494 Topics in Communication

Units: 0.5 - 4
Hours: 9 - 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to enable both Communication and non-Communication majors to learn about recent developments in communication. Selected topics would not be part of current course offerings. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

COMM 495 Independent Studies in Communication

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among college, faculty members, and students. Independent studies in communication offers students a chance to do research that is more typical of industry and graduate student work. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

COMM 499 Experimental Offering in Communication

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Community Healthcare Worker

The Community Health Care Worker Certificate of Achievement consists of multi-disciplinary coursework to prepare individuals to work within the social service, public health, or health care workforce as Community Health Workers.

Certificates Offered

Community Health Care Worker Certificate

Dean Rose Giordano Ph.D.
Program Director Sue Hussey
Phone (916) 558-2550
Email husseys@scc.losrios.edu

Certificate of Achievement

Community Health Care Worker Certificate

The Community Health Care Worker Certificate of Achievement consists of multi-disciplinary coursework to prepare individuals to work within the social service, public health, or health care workforce as Community Health Workers. This certificate program is designed to provide training in front-line public health care with an understanding of and connection to the communities served. It also provides training in facilitating patient access to health and social services to improve the quality and cultural competence of service delivery. Students will develop the skills to provide culturally appropriate health education and information, assist people in receiving the care they need, give informal counseling and guidance on health behaviors, and advocate for individuals and community health needs.

Certificate Requirements

Course Code	Course Title	Units
AH 106	Communication for Allied Health Careers	2
AH 301	Health Care in a Multicultural Society	3
CHW 101	Introduction to Community Health Work	1.5
CHW 103	U.S. Healthcare Systems and Third Party Payers	2
CHW 105	Community Health Resources	2
CHW 121	Social Determinants of Health	2
CHW 123	Prevention and Management of Chronic Conditions	2
SOC 375	Introduction to Community Development	3
SOC 382	Introduction to Casework in Social Services	3
SOC 385	Practicum in Sociology	1 -4
A minimum of 3 units from the following:		3
ADMJ 303	Substance Abuse: Effects on Body and Behavior (3)	
or PSYC 405	Substance Abuse: Effects on Body and Behavior (3)	
ADMJ 304	Juvenile Delinquency (3)	
ADMJ 340	Introduction to Correctional Services (3)	
AH 311	Medical Language for Health-Care Providers (3)	
ECE 312	Child Development (3)	
ECE 314	The Child, the Family and the Community (3)	
ECE 402	Infants with Atypical Development (3)	
ECE 415	Children's Health, Safety and Nutrition (3)	
ETHNS 300	Introduction to Ethnic Studies (3)	
SOC 301	Social Problems (3)	
or SOC 481	Social Problems - Honors (3)	
SOC 335	Sociology of Aging (3)	
or GERON 300	Sociology of Aging (3)	
SOC 344	Sociology of Women's Health (3)	
Total Units:		**24.5 - 27.5**

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Complete the online application.
- In the event there are more applicants than spaces available, students who meet the enrollment eligibility requirements will be entered into a random selection pool.
- The first 30 applicants identified through the random selection process will be selected for the program. Students must reapply each year. Students who have submitted complete and qualified applications in prior sequential years will receive entries in the random selection equal to the number of years applied. There is no waiting list.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- clarify roles, responsibilities, and scope of practice of Community Health Workers.
- investigate complex service delivery systems within the U.S. healthcare system and key legal responsibilities within the context of health service delivery systems.
- compile and define accepted terminology to describe findings, patterns, habits, and behaviors of clients.
- report and record abnormal findings, patterns, habits, and behaviors of clients for purpose of clinical documentation.
- recommend prevention methodologies that decrease the development of common diseases/disorders and reduce high-utilization of unnecessary healthcare services by applying culturally-appropriate and evidenced-based health education practices.

- identify conditions in which people are born, grow, work, live, and age and the wider set of forces and systems shaping the conditions of daily life.
- evaluate and inventory available community resources, including health and social services.
- demonstrate knowledge and proficiency with technology, including web-based applications, MS Office, and electronic health record systems.
- develop communication skills used with patients, community partners, and medical personnel.
- demonstrate the ability to advocate for individual and community health.
- incorporate professional and ethical boundaries, conflict resolution, self-care, time management, and skills for providing and receiving constructive feedback to assist in working within a professional setting.

Career Information

Common job titles for Community Health Care Workers include: patient/health navigator, case manager/case worker, health educator, community health educator, community outreach worker, and enrollment specialist. Community Health Care Workers (CHWs) serve as liaisons/intermediaries between health and social services and the community to promote, maintain and improve individual and community access to health care services; assist individuals and communities to adopt healthy behaviors; and improve the quality and cultural competence of services delivered. Common tasks/responsibilities include: facilitating access to health services (scheduling appointments, completing provider forms, scheduling transportation); conducting outreach to community members; and providing community and health education.

Community Healthcare Worker (CHW) Courses

CHW 101 Introduction to Community Health Work

Units: 1.5
Hours: 27 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and LIBR 318 with grades of "C" or better

This course is designed to introduce students to the broad perspective of community health work by applying different concepts with emphasis on health promotion and primary health care. The course will examine different health promotion and disease prevention strategies that are used as primary health and population-based methods. Public health, home health care settings, and clinic/hospital-based services will be addressed. Emphasis is placed on family-wellness and illness in various community settings using examples of various communities and cultural settings throughout California. Aspects of community health are explored based on a demographic and epidemiological approach as well as building an environmental awareness and acquiring problem-solving and critical thinking skills. This course was formerly known as AH 101.

CHW 103 U.S. Healthcare Systems and Third Party Payers

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and LTAT 300 with grades of "C" or better

The United States healthcare system is complex, organized by systems and programs by which health services are made available to the population and financed by government entities, private enterprises, or both. Various systems work on different aspects of providing care throughout the spectrum of health. This course provides an overview of the United States healthcare system as it has developed during the past century. Students are expected to achieve a basic understanding of the building blocks in anticipation of future careers and employment in the healthcare industry of the United States. This course was formerly known as AH 103.

CHW 105 Community Health Resources

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: CISC 300, LIBR 307, or LTAT 300 with a grade of "C" or better

This course is designed to introduce students to the broad perspective of community health resources in the Greater Sacramento service area. Through various lectures from representatives of area organizations, students will gather community resources to assist clients with addressing their health needs. This course was formerly known as AH 105.

CHW 121 Social Determinants of Health

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and LTAT 300 with grades of "C" or better

Social determinants of health are the conditions in which people are born, grow, live, work, and age. These factors can all have an impact on health. This course will help students understand health inequalities and how they are socially driven. Students will look at how health is affected by wider determinants and how they can make a difference as health professionals to close the health inequality gap. Through a range of case studies from high to low income countries, the student will gain a better understanding of social determinants of health, why health inequalities exist, and the role of health professionals and systems in reducing health inequality. This course was formerly known as AH 121.

CHW 123 Prevention and Management of Chronic Conditions

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Enrollment Limitation: Acceptance into the Community Health Worker program.
Advisory: ENGRD 110 and LTAT 300 with grades of "C" or better

Chronic diseases are on the rise in the United States, leaving healthcare payers with the challenge of covering care for patients with these expensive, long-term conditions. In this course, students will learn about the most common chronic diseases, their etiology, symptoms, risk factors, and treatment. Students will learn about community preventive services, programs, and other interventions aimed at supporting patients in the successful self-management of chronic conditions. Students will also be introduced to medical terminology with an overview of the structure of medical language and basic terms. This course was formerly known as AH 123.

CHW 299 Experimental Offering in Community Healthcare Worker

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

CHW 499 Experimental Offering in Community Healthcare Worker

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Community Leadership Development

Community Leadership Development provides an introduction to leadership and examines leadership theory and organizational behavior. It emphasizes leadership procedures and functions with regard to the community college experience. All students interested in learning and experiencing leadership, especially those comfortable with both oral and written communication, are encouraged to enroll.

Vice President Davin Brown

Community Leadership Development (COMDE) Courses

COMDE 300 Leadership Skills Development

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: COMM 301 or COMM 361 with a grade of "C" or better and ENGWR 101 with a grade of "C" or better.
Transferable: CSU

This course provides an introduction to leadership and examines leadership theory and organizational behavior. It emphasizes leadership procedures and functions with regard to the community college experience. All students interested in learning and experiencing leadership, especially those comfortable with both oral and written communication, are encouraged to enroll.

COMDE 495 Independent Studies in Community Leadership Development

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This is an Independent Studies course that involves an individual student or small group of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among the college, faculty member, and student(s). An application for Independent Studies must be filed before the end of the eighth week of the semester in which the study is to be completed. If the study is not completed by the end of the semester, a new application is not required if the unit(s) are to be granted in a subsequent semester. This course is graded as Pass/No Pass.

COMDE 499 Experimental Offering in Community Leadership Development

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Computer Information Science

Almost all industries of our economy are now tied to technology-driven tools. Those technology-driven tools are Computer Information Science. At Sacramento City College you can learn application development, programming, mark-up and scripting languages, including Open Web platform technologies.

Computer science drives job growth and innovation throughout our economy and society. Computing occupations are the number 1 source of all new wages in the U.S. and make up over half of all projected new jobs in STEM fields, making Computer Science one of the most in-demand college degrees.

Degrees and Certificates Offered

A.S. in Computer Science
A.S. in Cybersecurity and Information Assurance
A.S. in Information Processing
A.S. in Management Information Science
A.S. in Network Administration
A.S. in Network Design
A.S. in Web Developer
Advanced CISCO Networking Certificate
Cloud Computing Certificate
Computer Information Security Essentials Certificate
Computer Science Certificate
Cybersecurity and Information Assurance Certificate
Data Science Certificate
Front-end Web Developer Certificate
Information Processing Specialist Certificate
Information Processing Technician Certificate
Management Information Science Certificate
Network Administration Certificate
Network Design Certificate
PC Support Certificate
Programming Certificate
Web Developer Certificate
Web Production Specialist Certificate
iOS App Developer Certificate

Dean Dr. Deborah L. Saks
Department Chair Sheley Little
Phone (916) 558-2581
Email DcruzM@scc.losrios.edu

Associate Degrees

A.S. in Computer Science

This Computer Science program is designed for students preparing for careers in systems analysis and software development. It provides the lower division transfer foundation in programming languages, databases, and operating systems.

Transfer Information:
California State University, Sacramento offers majors in Computer Science and Computer Engineering through the School of Engineering and Computer Science and also Management Information Science as part of the Business Administration degree. Students planning to transfer to California State University, Chico or University of California, Davis should include computer-programming languages in C++ or Java, assembly language, data structures, discrete structures, one year of analytical geometry and calculus, and physics or chemistry. Students must also meet university admission requirements and other general education courses as outlined by each university. Consultation with an SCC counselor is advised.

Degree Requirements

Course Code	Course Title	Units
CISC 310	Introduction to Computer Information Science	3
CISC 323	Linux Operating System	1
CISC 324	Intermediate Linux Operating System	1
CISP 301	Algorithm Design and Implementation	4
CISP 310	Assembly Language Programming for Microcomputers	4
CISP 350	Database Programming (3)	3
CISP 360	Introduction to Structured Programming	4
CISP 400	Object Oriented Programming with C++ (4)	4
or CISP 401	Object Oriented Programming with Java (4)	
CISP 430	Data Structures	4
CISP 440	Discrete Structures for Computer Science (3)	3[1]
or CISP 457	Introduction to Systems Analysis and Design (3)	
A minimum of 6 units from the following:		6
CISC 351	Introduction to Local Area Networks (1)	
CISC 355	Introduction to Data Communications (1.5)	
CISN 303	Network Administration - Linux Server (3)	
CISP 357	Introduction to Big Data (4)	
CISP 358	Data Analysis (4)	
CISP 359	Big Data Analytics (4)	
CISP 362	Programming for Mobile Devices I (4)	
CISP 401	Object Oriented Programming with Java (4)	
CISP 457	Introduction to Systems Analysis and Design (3)	
CISS 300	Introduction to Information Systems Security (1)	
CISS 310	Network Security Fundamentals (3)	

Course Code	Course Title	Units
CISW 327	Introduction to Web Development coding HTML and CSS (4)	
CISW 400	Client-side Web Scripting (4)	
CISW 410	Middleware Web Scripting (4)	
Total Units:		**37**

[1]Students who plan to transfer should take CISP 440. Students looking for immediate employment should take CISP 457.

The Computer Science Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze development projects.
- build a project while utilizing the project development model.
- manage a programming project, both individually and as a member of a team, from initial concept through design, programming, debugging, testing, and deployment.
- evaluate a program to determine how it will meet the needs of its intended audience.
- use a database to store data associated with programs written in a programming language.
- design, write, test, debug, and implement computer programs in a structured language, a low-level language, an object-oriented language, or scripting language.
- create programs utilizing a variety of programming environments.

Career Information

Technical positions include: computer operator, computer programmer, systems analyst, database administrator, computer support or help desk specialist, Web developer, and application developer. Computer science is the pillar that innovation relies on throughout the US economy. Employers will continue to see a shortage of qualified candidates for technology and innovative jobs until more students complete coursework in Computer Science.

A.S. in Cybersecurity and Information Assurance

This program prepares IT professionals to apply knowledge and experience in risk management and digital forensics to safeguard infrastructure and secure data through continuity planning and disaster recovery operations. Courses deliver proven methods for information security using software analysis techniques, cloud management, and networking strategies to prevent, detect, and mitigate cyberattacks. This program also provides preparation for several nationally recognized, high demand certifications in the field of Cybersecurity.

Degree Requirements

Course Code	Course Title	Units
CISN 300	Network Systems Administration	3
CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5
CISN 341	CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3.5
CISS 310	Network Security Fundamentals	3
CISS 315	Ethical Hacking	3
CISS 316	Cisco Networking Academy™: CCNA Cybersecurity Operations	3
CISS 321	Scripting for Cyber Security	3
CISS 330	Implementing Internet Security and Firewalls	3
CISS 350	Disaster Recovery	3
CISS 360	Computer Forensics and Investigation	3
Total Units:		**31**

The Cybersecurity and Information Assurance Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- define best practices for configuring cyber defense and countermeasures.
- compare and contrast the benefits of firewalls vs. intrusion detection devices and software.
- design organizational plans for securing data and while maintaining the confidentiality, integrity, and availability (CIA) of the information transmitted over communication networks.
- analyze security risks mitigation processes to identify, evaluate, prioritize, and prevent potential security threats.
- construct file system permissions and share permissions to allow only the minimum levels of access needed by users to use network resources.
- prioritize and establish a disaster recovery plan for the enterprise.
- explain and configure a network firewall to provide optimum security from external threats and exploits.
- apply cyber defense and countermeasures as appropriate to mitigate potential risks.

Career Information

Networking/security skills and experience are needed for technical support staff, administrators, designers, troubleshooters, and cybersecurity specialists.

A.S. in Information Processing

This degree combines microcomputer software proficiencies and competencies in hardware support, maintenance, and

repair with general education requirements. Students will be able to incorporate inter-related certificates (Information Processing Technician and Information Processing Specialist) as major fields of study with general education courses in other disciplines to earn an Associate in Science degree in Information Processing.

Degree Requirements

Course Code	Course Title	Units
CISA 305	Beginning Word Processing	2
CISA 306	Intermediate Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 316	Intermediate Electronic Spreadsheets	2
CISA 323	Database Management using Microsoft Access	2
CISA 340	Presentation Graphics	2
CISC 305	Introduction to the Internet	1
CISC 310	Introduction to Computer Information Science	3
CISC 320	Operating Systems	1
CISC 351	Introduction to Local Area Networks (1)	1 - 3.5
or CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks (3.5)	
CISC 360	Information & Communication Technology Essentials (A+)	4
CISS 300	Introduction to Information Systems Security (1)	1 - 3
or CISS 310	Network Security Fundamentals (3)	
Total Units:		**23 - 27.5**

The Information Processing Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of global, ethical, and societal concerns relating to the impact of computers.
- adapt to technological changes and innovations in computers and use the techniques, skills, and tools necessary to meet industry needs.
- analyze needs, design solutions, and implement necessary microcomputer applications or processes to on-the-job problems in a team environment using appropriate diagnostic tools.

Career Information

Students who have obtained certificates (Information Processing Technician and Information Processing Specialist) are interested in attaining associate degrees for continued job advancement. Many employees with advanced software proficiencies and competencies in hardware support, maintenance, and repair are considered top candidates for supervisory or managerial positions. Students completing this program may work as office supervisors, office managers, computer support specialists, and information processing specialists.

A.S. in Management Information Science

The Management Information Science degree is designed for students preparing for careers in business to effectively use and manage computers. The focus of the program is to develop student proficiency in a variety of computer applications and operating systems so that they may produce timely and accurate information. Elective courses give an opportunity to develop further skills in computer programming, database management, networking, Web development, and information systems security.

Note to Transfer Students:
If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with an SCC counselor to select and plan courses for your major. Schools vary widely in terms of the required preparation.

Degree Requirements

Course Code	Course Title	Units
CISA 305	Beginning Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 323	Database Management using Microsoft Access	2
CISA 340	Presentation Graphics	2
CISC 305	Introduction to the Internet	1
CISC 310	Introduction to Computer Information Science	3
CISC 320	Operating Systems (1)	1
or CISC 323	Linux Operating System (1)	
CISP 301	Algorithm Design and Implementation	4
CISP 360	Introduction to Structured Programming	4
A minimum of 4 units from the following:		4
CISP 400	Object Oriented Programming with C++ (4)	
CISP 401	Object Oriented Programming with Java (4)	
A minimum of 4 units from the following:		4
CISA 306	Intermediate Word Processing (2)	
CISA 316	Intermediate Electronic Spreadsheets (2)	
CISC 324	Intermediate Linux Operating System (1)	
CISC 355	Introduction to Data Communications (1.5)	
CISC 360	Information & Communication Technology Essentials (A+) (4)	
A minimum of 6 units from the following:		6
CISC 355	Introduction to Data Communications (1.5)	
CISN 300	Network Systems Administration (3)	
CISN 303	Network Administration - Linux Server (3)	
CISN 306	Advanced Network Systems Administration (3)	
CISN 308	Internetworking with TCP/IP (3)	
CISP 310	Assembly Language Programming for Microcomputers (4)	
CISP 350	Database Programming (3)	
CISP 400	Object Oriented Programming with C++ (4)	

Course Code	Course Title	Units
CISP 401	Object Oriented Programming with Java (4)	
CISP 430	Data Structures (4)	
CISP 440	Discrete Structures for Computer Science (3)	
CISP 457	Introduction to Systems Analysis and Design (3)	
CISS 300	Introduction to Information Systems Security (1)	
CISS 315	Ethical Hacking (3)	
CISS 310	Network Security Fundamentals (3)	
CISW 327	Introduction to Web Development coding HTML and CSS (4)	
CISW 400	Client-side Web Scripting (4)	
CISW 410	Middleware Web Scripting (4)	
Total Units:		**35**

The Management Information Science Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- solve business problems by utilizing various types of software.
- design algorithms that can be implemented by writing computer programs to solve typical problems.
- construct and implement computer programs or scripts.
- design professional documents for a variety of situations using appropriate software, working individually or in a team.
- apply working knowledge of principles in computer networking, data communications, data management, information systems security, web development, or programming concepts.
- adapt to technological changes and innovations in the computer industry and use techniques, skills, and tools necessary to meet needs.
- locate information stored on the Internet, determine the validity of online resources, download and store files, and use the correct syntax for citing internet resources.

Career Information

Computer skills and experience are needed for technical support staff, end-user consultants, network administrators, database specialists, information systems manager and specialists, programmers and analysts, software specialists, systems analysts, technical writers, information systems security specialists, and webmasters.

A.S. in Network Administration

The Network Administration Degree and Certificate of Achievement provides the skills needed in the networking environment. Focus is on the knowledge and skills required for day-to-day operation and management of computer networks. The Network Administration Degree and Certificate of Achievement prepare students for entry-level positions in computer network administration.

Degree Requirements

Course Code	Course Title	Units
CISN 300	Network Systems Administration	3
CISN 302	Intermediate Network Systems Administration	3
CISN 306	Advanced Network Systems Administration	3
CISN 307	Windows Active Directory Services	3
CISN 308	Internetworking with TCP/IP	3
CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5
CISN 341	CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3.5
CISS 310	Network Security Fundamentals (3)	3
or CISS 315	Ethical Hacking (3)	
A minimum of 5 units from the following:		5
CISC 310	Introduction to Computer Information Science (3)	
CISC 324	Intermediate Linux Operating System (1)	
CISC 351	Introduction to Local Area Networks (1)	
CISC 355	Introduction to Data Communications (1.5)	
CISN 303	Network Administration - Linux Server (3)	
CISN 304	Networking Technologies (3)	
CISN 315	Advanced Network Administration - Linux Server (3)	
CISN 316	Virtualization Concepts and Technologies (3.5)	
CISN 320	Designing Windows Directory Services (3)	
CISN 327	Cloud Infrastructure and Services (3.5)	
CISN 328	Cloud Solution Architect (3)	
CISN 329	Cloud SysOps and Operations Administration (3)	
CISN 346	Network Design and Projects (3.5)	
CISN 374	Messaging Server Administration (3)	
CISS 310	Network Security Fundamentals (3)	
CISS 315	Ethical Hacking (3)	
CISS 316	Cisco Networking Academy™: CCNA Cybersecurity Operations (3)	
CISS 321	Scripting for Cyber Security (3)	
CISS 327	Cisco Networking Academy™: CCNA Security: Implementing Network Security (3.5)	
CISS 330	Implementing Internet Security and Firewalls (3)	
CISS 350	Disaster Recovery (3)	
CISS 360	Computer Forensics and Investigation (3)	
Total Units:		**30**

The Network Administration Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate competency in Windows operating system terminology and commands, account management, file management and storage.
- construct and implement computer network systems by applying the steps of the network design model working individually or in a team.
- demonstrate working knowledge of principles in computer networking and data management, information systems security, or web server administration, depending on the electives chosen.
- define best practices for configuring network operating system services.
- analyze and apply directory services group policy settings at the Organizational Unit (OU), domain, site, or local machine level.

Career Information

Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists.

A.S. in Network Design

The Network Design Degree and Certificate of Achievement provides the skills needed in the networking environment. Focus is on the knowledge and skills required for day-to-day operation and management of computer networks. The Network Design Degree and Certificate of Achievement prepare students for entry-level positions in computer network design.

Degree Requirements

Course Code	Course Title	Units
CISC 320	Operating Systems (1)	1
or CISC 323	Linux Operating System (1)	
CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5
CISN 341	CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3.5
CISN 342	CISCO Networking Academy (CCNA)tm: Enterprise Networking, Security, and Automation	3.5
CISN 346	Network Design and Projects	3.5
CISN 336	Wireless Technologies	3
CISN 308	Internetworking with TCP/IP	3
CISS 310	Network Security Fundamentals	3
A minimum of 6 units from the following:		6
CISN 300	Network Systems Administration (3)	
CISN 303	Network Administration - Linux Server (3)	
CISN 304	Networking Technologies (3)	
CISN 316	Virtualization Concepts and Technologies (3.5)	
CISN 327	Cloud Infrastructure and Services (3.5)	
CISN 328	Cloud Solution Architect (3)	
CISN 329	Cloud SysOps and Operations Administration (3)	
CISS 321	Scripting for Cyber Security (3)	
Total Units:		**30**

The Network Design Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- develop best practices for configuring Internet Protocol (IP) addresses.
- evaluate and implement technologies to support IP routing protocols such as Routing Information Protocol (RIP), Interior Gateway Routing Protocol (IGRP), and Open Shortcut Path First (OSPF).
- construct and configure access lists.
- compare and contrast types of network media.
- demonstrate working knowledge of principles in computer networking and data management, information systems security, or web server administration, depending on the electives chosen.
- demonstrate competency in Windows operating system terminology and commands, account management, and file management and storage.

Career Information

Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists.

A.S. in Web Developer

Web Developers are proficient at creating website structure and interactivity. The Web Developer degree requires students design, code, and implement HTML, CSS, and other languages for creating websites to implement database tools and custom applications for the Web. Students will design, code, and test interactive websites with emphasis on learning mark-up, programming and scripting languages for interactivity and connectivity to data on the Web.

Degree Requirements

Course Code	Course Title	Units
CISA 323	Database Management using Microsoft Access	2
CISA 324	Intermediate Database Management using Access	2
CISC 310	Introduction to Computer Information Science	3
CISC 323	Linux Operating System	1
CISC 324	Intermediate Linux Operating System	1
CISP 301	Algorithm Design and Implementation	4
CISP 350	Database Programming	3

Course Code	Course Title	Units
CISW 306	Introduction to Web Page Creation and Web Accessibility	2[1]
CISW 327	Introduction to Web Development coding HTML and CSS	4[2]
CISW 400	Client-side Web Scripting	4
CISW 410	Middleware Web Scripting	4
DDSN 331	Digital Imaging I	3
DDSN 360	User Interface Design	3
A minimum of 3 units from the following:		3[3]
CISW 498	Work Experience in Computer Information Science - Web (0.5 - 4)	
Total Units:		**39**

[1]CISC 306 AND CISW 370 may be substituted for this course.

[2]CISW 320 AND CISW 304 may be substituted for this course.

[3]Students who previously completed CISW470 may request a course substitution for this course if a comprehensive development project can be presented to illustrate expected competencies of this program.

The Web Developer Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- manage a multi-level website hosted on a Web server.
- utilize multiple programs simultaneously in order to develop websites.
- recommend a Web scripting language, current markup language or Web authoring software, and cascading style sheets to develop complex websites that are uploaded via File Transfer Protocol (FTP) to a Web server.
- research and implement current, valid World Wide Web Consortium (W3C) standards, including W3C Accessibility Standards.
- plan a structured approach to website development that identifies the information dissemination needs of a client and organizes the content effectively and efficiently in order to communicate to an identified audience; then develop and implement an appropriate Web solution.
- utilize client-side scripting in order to manipulate interactive objects like navigation bars, forms, rollovers, other event handling, and the control of windows, frames, and layers.
- develop Web solutions that include form validation and processing, server-side programming with hypertext-preprocessor (PHP), and database-driven Web development.
- demonstrate proficiency in the process of Web project management on a real-world website including design specification, research, production, modification, time estimation, and presentation.
- design, implement, manage, and evaluate data management systems involving custom programming to solve complex business problems.
- estimate the hours needed or cost to develop and deliver the solution to a complex business problem.
- construct code in a currently used Web scripting language.
- demonstrate an understanding of the current technologies and processes of interactive design, motion graphics, and website development.
- describe the relationship between user-centered design concepts, user interface (UI) design, user experience (UX) design, and usability testing.

Career Information

Career Opportunities include employment as a Web Developer, Webmaster, Systems Analyst, Web Systems Analyst, IT Analyst, ICT Analyst, Web Database Administrator, Front-end Web Developer, and Web Programmer.

Certificates of Achievement

Advanced CISCO Networking Certificate

The Advanced CISCO Networking Certificate recognizes the advanced skills needed for job enhancement and promotion in today’s networking and Internet environment. It focuses on advanced knowledge and skills required for supervisory, management, and troubleshooting computer network operations. It prepares students for promotional positions in computer network design.

Certificate Requirements

Course Code	Course Title	Units
CISN 303	Network Administration - Linux Server (3)	3
CISN 346	Network Design and Projects	3.5
CISN 350	CISCO Networking Academy (CCNP)tm: CCNP Enterprise: Core Networking	3.5
CISN 351	CISCO Networking Academy (CCNP)tm: CCNP Enterprise: Advanced Routing	3.5
CISS 316	Cisco Networking Academy™: CCNA Cybersecurity Operations	3
CISS 327	Cisco Networking Academy™: CCNA Security: Implementing Network Security	3.5
Total Units:		**20**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- develop best practices for configuring scalable Internet Protocol addresses.
- construct and configure complex access control lists.

- design and test edge router connectivity into a Border Gateway Protocol network.
- evaluate and implement advanced multilayer switching configuration.

Career Information

Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists.

Cloud Computing Certificate

This certificate prepares IT professionals to apply knowledge and experience in the fundamentals of architecture, deployment, management and operations on leading cloud computing platforms. This Cloud Computing Certificate includes course work in key areas: Networking fundamentals, fundamentals of cloud computing, cloud deployment and infrastructure management, cloud database technologies, cloud networking and security, server support concepts, Linux, and scripting languages. This certificate also provides preparation for a variety of industry recognized certification exams.

Certificate Requirements

Course Code	Course Title	Units
CISN 300	Network Systems Administration (3)	3
or CISN 303	Network Administration - Linux Server (3)	
CISN 327	Cloud Infrastructure and Services	3.5
CISN 328	Cloud Solution Architect	3
CISN 329	Cloud SysOps and Operations Administration	3
CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5
CISN 341	CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3.5
Total Units:		**19.5**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- install, configure, and support industry standard client/server operating systems.
- install, configure, and support network devices.
- define cloud concepts, services, security, architecture, pricing, and support.
- configure and implement a cloud environment for high availability.
- develop scripting for IT infrastructure automation.
- deploy, configure and support services in a cloud environment.
- solve problems and troubleshoot cloud operations.

Career Information

Cloud services and the virtual computing capabilities have revolutionized the way business of all sizes approach their information technology needs. Cloud computing skills and experience are needed for technical support staff, administrators, designers, troubleshooters, and security specialists.

Computer Information Security Essentials Certificate

This program provides basic cyber operations knowledge of internal and external threats to information assets, compliance requirements, risk management, disaster recovery, and computer forensics. It also provides preparation for the Computing Technology Industry Association (CompTIA) Security+ exam. It is a stackable certificate pathway to the Computer Information Science certificate and degree.

Certificate Requirements

Course Code	Course Title	Units
CISS 310	Network Security Fundamentals	3
CISS 315	Ethical Hacking	3
CISS 350	Disaster Recovery	3
CISS 360	Computer Forensics and Investigation	3
Total Units:		**12**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe the fundamental concepts of the cyber security discipline and use them to provide system security.
- describe the steps in performing digital forensics from the initial recognition of an incident through the steps of evidence gathering, preservation and analysis, through the completion of legal proceedings.
- assess the effectiveness of a security program and the impact of legal and regulatory standards on a given system.
- develop contingency plans for various size organizations to include: business continuity, disaster recovery and incident response.
- analyze risk and responsibilities for the handling of data 1) with respect to technology, 2) with respect to individuals, and 3) with respect to auditing issues, and recommend appropriate responses.
- evaluate the effectiveness of applications of cybersecurity in preventing crime and abuse.
- compare and contrast different types of standards including: laws, regulations, policies, voluntary, and framework-based standards.

Career Information

IT Security Specialist Information Security Analyst Cyber Operations Planner Information Security Auditor

Computer Science Certificate

This Computer Science program is designed for students preparing for careers in systems analysis and software development. It provides the lower division transfer foundation in programming languages, databases, and operating systems.

Transfer Information:
California State University, Sacramento offers majors in Computer Science and Computer Engineering through the School of Engineering and Computer Science and also Management Information Science as part of the Business Administration degree. Students planning to transfer to California State University, Chico or University of California, Davis should include computer-programming languages in C++ or Java, assembly language, data structures, discrete structures, one year of analytical geometry and calculus, and physics or chemistry. Students must also meet university admission requirements and other general education courses as outlined by each university. Consultation with an SCC counselor is advised.

Certificate Requirements

Course Code	Course Title	Units
CISC 310	Introduction to Computer Information Science	3
CISC 323	Linux Operating System	1
CISC 324	Intermediate Linux Operating System	1
CISP 301	Algorithm Design and Implementation	4
CISP 310	Assembly Language Programming for Microcomputers	4
CISP 350	Database Programming	3
CISP 360	Introduction to Structured Programming	4
CISP 400	Object Oriented Programming with C++ (4)	4
or CISP 401	Object Oriented Programming with Java (4)	
CISP 430	Data Structures	4
CISP 440	Discrete Structures for Computer Science (3)	3[1]
or CISP 457	Introduction to Systems Analysis and Design (3)	
A minimum of 6 units from the following:		6
CISC 351	Introduction to Local Area Networks (1)	
CISC 355	Introduction to Data Communications (1.5)	
CISN 303	Network Administration - Linux Server (3)	
CISP 357	Introduction to Big Data (4)	
CISP 358	Data Analysis (4)	
CISP 359	Big Data Analytics (4)	
CISP 362	Programming for Mobile Devices I (4)	
CISP 401	Object Oriented Programming with Java (4)	
CISP 457	Introduction to Systems Analysis and Design (3)	
CISS 300	Introduction to Information Systems Security (1)	
CISS 310	Network Security Fundamentals (3)	
CISW 327	Introduction to Web Development coding HTML and CSS (4)	
CISW 400	Client-side Web Scripting (4)	
CISW 410	Middleware Web Scripting (4)	
Total Units:		**37**

[1]Students who plan to transfer should take CISP 440. Students looking for immediate employment should take CISP 457.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze development projects.
- build a project while utilizing the project development model.
- manage a programming project, both individually and as a member of a team, from initial concept through design, programming, debugging, testing, and deployment.
- evaluate a program to determine how it will meet the needs of its intended audience.
- use a database to store data associated with programs written in a programming language.
- design, write, test, debug, and implement computer programs in a structured language, a low-level language, an object-oriented language, or scripting language.
- create programs utilizing a variety of programming environments.

Career Information

Technical positions include: computer operator, computer programmer, systems analyst, database administrator, computer support or help desk specialist, Web developer, and application developer. Computer science is the pillar that innovation relies on throughout the US economy. Employers will continue to see a shortage of qualified candidates for technology and innovative jobs until more students complete coursework in Computer Science.

Cybersecurity and Information Assurance Certificate

This certificate prepares IT professionals to apply knowledge and experience in network security, risk management, intrusion detection, remediation, and digital forensics to safeguard infrastructure and secure data and business operations. Courses deliver proven methods for information security using software analysis techniques, and networking strategies to prevent, detect, and mitigate cyber attacks. This program also provides preparation for several nationally recognized, high demand certifications in the field of Cybersecurity.

Certificate Requirements

Course Code	Course Title	Units
CISN 300	Network Systems Administration	3
CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5

Course Code	Course Title	Units
CISN 341	CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3.5
CISS 310	Network Security Fundamentals	3
CISS 315	Ethical Hacking	3
CISS 316	Cisco Networking Academy™: CCNA Cybersecurity Operations	3
CISS 321	Scripting for Cyber Security	3
CISS 330	Implementing Internet Security and Firewalls	3
CISS 350	Disaster Recovery	3
CISS 360	Computer Forensics and Investigation	3
Total Units:		**31**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- define best practices for configuring cyber defense and countermeasures.
- analyze security risks mitigation processes to identify, evaluate, prioritize, and prevent potential security threats.
- evaluate and implement the required security programs and policies to protect the enterprise against viruses, trojans, worms, rootkits, and spyware.
- construct file system permissions and share permissions to allow only the minimum levels of access needed by users to use network resources.
- define the elements of the CIA triad, defining the purpose of each of the elements.
- utilize a protocol analyzer, demonstrating the ability to capture unencrypted packets for viewing.

Career Information

Networking and security skills and experience are needed for technical support staff, administrators, designers, troubleshooters, and cybersecurity systems security specialists.

Data Science Certificate

This certificate is designed for students who aspire to master the essential knowledge and skills required for the storage, discovering, analyzing, visualizing, and application of big data. Students will learn to derive value from vast amounts of data and apply big data analytics techniques to make effective data-driven decisions.

Certificate Requirements

Course Code	Course Title	Units
[CISA 323	Database Management using Microsoft Access (2)	3 - 4
and CISA 324]	Intermediate Database Management using Access (2)	
or CISP 350	Database Programming (3)	
CISP 301	Algorithm Design and Implementation	4
CISP 357	Introduction to Big Data	4
CISP 358	Data Analysis	4
CISP 359	Big Data Analytics	4
Total Units:		**19 - 20**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain how big data is useful in business or career.
- demonstrate understanding of the five Vs of big data (volume, velocity, variety, veracity, and value).
- evaluate the core concepts behind big data problems, applications, and systems.
- analyze big data using statistical methods and techniques.
- apply big data analytics techniques for effective data-driven decision-making.

Career Information

Successful completion of the program will provide students job opportunities in data science. Data science-related job titles such as data scientist, data analyst, big data analyst, business analyst, and SAS programmer are all possible job opportunities. The top five industries hiring big data-related expertise include Professional, Scientific and Technical Services, Information Technologies, Manufacturing, Finance and Insurance and Retail Trade.

Front-end Web Developer Certificate

Front-end Web Developers are proficient at creating website structure with some interactivity. Emphasis is on learning HTML, CSS, JavaScript, and user interface, user experience design.

Certificate Requirements

Course Code	Course Title	Units
CISC 305	Introduction to the Internet	1
CISC 310	Introduction to Computer Information Science	3
CISC 323	Linux Operating System	1
CISC 324	Intermediate Linux Operating System	1
CISP 301	Algorithm Design and Implementation	4
CISW 306	Introduction to Web Page Creation and Web Accessibility	2[1]
CISW 327	Introduction to Web Development coding HTML and CSS	4[2]
CISW 400	Client-side Web Scripting	4
DDSN 331	Digital Imaging I	3
DDSN 360	User Interface Design	3
Total Units:		**26**

[1]CISC 306 AND CISW 370 may be substituted for this course.

[2]CISW 320 AND CISW 304 may be substituted for this course.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- manage a multi-level website hosted on a Web server.
- utilize multiple programs simultaneously in order to develop websites.
- research and implement current, valid World Wide Web Consortium (W3C) standards, including W3C Accessibility Standards.
- plan a structured approach to website development that identifies the information dissemination needs of a client and organizes the content effectively and efficiently in order to communicate to an identified audience and then develop and implement an appropriate Web solution.
- write HTML, CSS, and JavaScript code in the currently used version.
- utilize client-side scripting in order to manipulate interactive objects like navigation bars, forms, rollovers, other event handling, and the control of windows, frames, and layers.
- create composite images that demonstrate visual design concepts of scale, rhythm, and balance.
- construct images utilizing selections, layers, masks, adjustment layers, and blending modes.
- demonstrate the use of current technologies and processes of user interface and responsive website design.
- conceive and design effective website wireframes, navigation, user interfaces, and Web page prototypes.
- describe the relationship between user-centered design concepts, user interface (UI) design, user experience (UX) design, and usability testing.

Career Information

Career Opportunities could include employment in front-end Web Development or Web Production. This certificate provides foundation skills needed to work toward becoming a Web Developer.

Information Processing Specialist Certificate

This certificate builds upon a previous background in the use of microcomputer application programs as evidenced by the student previously completing the Information Processing Technician certificate. As the student advances in an office-related career path, technical expertise in all aspects of information processing is expected. In addition to advanced software courses in spreadsheet or database management, this certificate also provides the student with hands-on training in hardware support and maintenance.

Certificate Requirements

Course Code	Course Title	Units
CISA 305	Beginning Word Processing	2
CISA 306	Intermediate Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 316	Intermediate Electronic Spreadsheets	2
CISA 323	Database Management using Microsoft Access	2
CISA 340	Presentation Graphics	2
CISC 305	Introduction to the Internet	1
CISC 310	Introduction to Computer Information Science	3
CISC 320	Operating Systems	1
CISC 351	Introduction to Local Area Networks (1)	1 - 3.5
or CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks (3.5)	
CISC 360	Information & Communication Technology Essentials (A+)	4
CISS 300	Introduction to Information Systems Security (1)	1 - 3
or CISS 310	Network Security Fundamentals (3)	
CISW 306	Introduction to Web Page Creation and Web Accessibility	2
Total Units:		**25 - 29.5**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- design, implement, manage, and evaluate data management systems involving custom macros to solve complex business problems.
- analyze and integrate data from various application programs for individual and group on-the-job projects.
- set up, test, and implement complex macros and scripts for on-the-job usage.
- explain the use of basic hardware components and their organization, installation, and repair of microcomputers.
- evaluate different hardware and software specification standards and implement problem-solving strategies or techniques using various diagnostic tools.
- analyze on-the-job needs, identify software and hardware related problems, and effectively communicate solutions to end users.

Career Information

This certificate prepares students to become office workers who can utilize the typical tools required in most offices. These positions require a high proficiency with office software applications as well as the ability to identify and troubleshoot microcomputer problems. Students completing this program may work as secretaries, office workers, first line supervisors, administrative analysts, information resource personnel, or lead administrative specialists.

Information Processing Technician Certificate

This information processing technician certificate focuses on basic entry-level skills in word processing, operating systems, spreadsheet, database management, graphics, and the use of the Internet. This certificate is designed for students interested in job advancement requiring microcomputer software skills.

Certificate Requirements

Course Code	Course Title	Units
CISA 305	Beginning Word Processing	2
CISA 306	Intermediate Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 323	Database Management using Microsoft Access	2
CISA 340	Presentation Graphics	2
CISC 305	Introduction to the Internet	1
CISC 310	Introduction to Computer Information Science	3
Total Units:		**14**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate proficiency in Windows operating system commands, programs, file and folders management, storage, and utilities.
- identify on-the-job problems, projects, presentations, and assignments and design appropriate software solutions or tools.
- evaluate effectiveness of software solutions and implement suitable software changes, enhancements, or improvements.
- design and implement data management systems involving queries, data entry, screen, forms, tables, reports, and labels.
- explain and use asynchronous and synchronous communication tools.
- identify Internet laws, guidelines, and security and privacy issues and determine specific on-the-job applications.
- set up, test, and implement complex macros and scripts for on-the-job usage.

Career Information

Students who are currently employed in entry-level office-related jobs are interested in opportunities for advancement. These positions usually require competencies in microcomputer applications courses in the Windows operating system environment. These microcomputer application courses include: word processing, spreadsheet, database management, graphic presentation, and the use of the Internet. Students completing this program may work as health information technicians, customer or client service representatives, and customer support specialists.

Management Information Science Certificate

The Management Information Science Certificate is designed for students preparing for careers in business to effectively use and manage computers. The focus of the program is to develop student proficiency in a variety of computer applications and operating systems so that they may produce timely and accurate information. Elective courses give an opportunity to develop further skills in computer programming, database management, networking, Web development, and information systems security.

Note to Transfer Students:
If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with an SCC counselor to select and plan courses for your major. Schools vary widely in terms of the required preparation.

Certificate Requirements

Course Code	Course Title	Units
CISA 305	Beginning Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 323	Database Management using Microsoft Access	2
CISA 340	Presentation Graphics	2
CISC 305	Introduction to the Internet	1
CISC 310	Introduction to Computer Information Science	3
CISC 320	Operating Systems (1)	1
or CISC 323	Linux Operating System (1)	
CISP 301	Algorithm Design and Implementation	4
CISP 360	Introduction to Structured Programming	4
A minimum of 4 units from the following:		4
CISP 400	Object Oriented Programming with C++ (4)	
CISP 401	Object Oriented Programming with Java (4)	
A minimum of 4 units from the following:		4
CISA 306	Intermediate Word Processing (2)	
CISA 316	Intermediate Electronic Spreadsheets (2)	
CISC 324	Intermediate Linux Operating System (1)	
CISC 355	Introduction to Data Communications (1.5)	
CISC 360	Information & Communication Technology Essentials (A+) (4)	
A minimum of 6 units from the following:		6
CISC 355	Introduction to Data Communications (1.5)	
CISN 300	Network Systems Administration (3)	
CISN 303	Network Administration - Linux Server (3)	
CISN 306	Advanced Network Systems Administration (3)	
CISN 308	Internetworking with TCP/IP (3)	
CISP 310	Assembly Language Programming for Microcomputers (4)	
CISP 350	Database Programming (3)	
CISP 400	Object Oriented Programming with C++ (4)	
CISP 401	Object Oriented Programming with Java (4)	

Course Code	Course Title	Units
CISP 430	Data Structures (4)	
CISP 440	Discrete Structures for Computer Science (3)	
CISP 457	Introduction to Systems Analysis and Design (3)	
CISS 300	Introduction to Information Systems Security (1)	
CISS 315	Ethical Hacking (3)	
CISS 310	Network Security Fundamentals (3)	
CISW 327	Introduction to Web Development coding HTML and CSS (4)	
CISW 400	Client-side Web Scripting (4)	
CISW 410	Middleware Web Scripting (4)	
Total Units:		**35**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- solve business problems by utilizing various types of software.
- design algorithms that can be implemented by writing computer programs to solve typical problems.
- construct and implement computer programs or scripts.
- design professional documents for a variety of situations using appropriate software, working individually or in a team.
- apply working knowledge of principles in computer networking, data communications, data management, information systems security, web development, or programming concepts.
- adapt to technological changes and innovations in the computer industry and use techniques, skills, and tools necessary to meet needs.
- locate information stored on the Internet, determine the validity of online resources, download and store files, and use the correct syntax for citing internet resources.

Career Information

Computer skills and experience are needed for technical support staff, end-user consultants, network administrators, database specialists, information systems managers and specialists, programmers and analysts, software specialists, systems analysts, technical writers, information systems security specialists, and webmasters.

Network Administration Certificate

The Network Administration Degree and Certificate of Achievement provides the skills needed in the networking environment. Focus is on the knowledge and skills required for day-to-day operation and management of computer networks. The Network Administration Degree and Certificate of Achievement prepare students for entry-level positions in computer network administration.

Certificate Requirements

Course Code	Course Title	Units
CISN 300	Network Systems Administration	3
CISN 302	Intermediate Network Systems Administration	3
CISN 306	Advanced Network Systems Administration	3
CISN 307	Windows Active Directory Services	3
CISN 308	Internetworking with TCP/IP	3
CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5
CISN 341	CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3.5
CISS 310	Network Security Fundamentals (3)	3
or CISS 315	Ethical Hacking (3)	
A minimum of 5 units from the following:		5
CISC 310	Introduction to Computer Information Science (3)	
CISC 320	Operating Systems (1)	
CISC 323	Linux Operating System (1)	
CISC 360	Information & Communication Technology Essentials (A+) (4)	
CISN 303	Network Administration - Linux Server (3)	
CISN 304	Networking Technologies (3)	
CISN 315	Advanced Network Administration - Linux Server (3)	
CISN 316	Virtualization Concepts and Technologies (3.5)	
CISN 320	Designing Windows Directory Services (3)	
CISN 327	Cloud Infrastructure and Services (3.5)	
CISN 328	Cloud Solution Architect (3)	
CISN 329	Cloud SysOps and Operations Administration (3)	
CISN 342	CISCO Networking Academy (CCNA)tm: Enterprise Networking, Security, and Automation (3.5)	
CISN 374	Messaging Server Administration (3)	
CISN 378	Database Administration for Microsoft SQL Server (3)	
CISS 300	Introduction to Information Systems Security (1)	
CISS 310	Network Security Fundamentals (3)	
CISS 315	Ethical Hacking (3)	
CISS 321	Scripting for Cyber Security (3)	
CISS 330	Implementing Internet Security and Firewalls (3)	
CISS 350	Disaster Recovery (3)	
Total Units:		**30**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate competency in Windows operating system terminology and commands, account management, file management and storage.
- construct and implement computer network systems by applying the steps of the network design model working individually or in a team.
- demonstrate working knowledge of principles in computer networking, and data management,

information systems security, or web server administration depending on the electives chosen.

- define best practices for configuring network operating system services.
- analyze and apply directory services group policy settings at the Organizational Unit (OU), domain, site, or local machine level.

Career Information

Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists.

Network Design Certificate

The Network Design Degree and Certificate of Achievement provides the skills needed in the networking environment. Focus is on the knowledge and skills required for day-to-day operation and management of computer networks. The Network Design Degree and Certificate of Achievement prepare students for entry-level positions in computer network design.

Certificate Requirements

Course Code	Course Title	Units
CISC 320	Operating Systems (1)	1
or CISC 323	Linux Operating System (1)	
CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5
CISN 341	CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3.5
CISN 342	CISCO Networking Academy (CCNA)tm: Enterprise Networking, Security, and Automation	3.5
CISN 346	Network Design and Projects	3.5
CISN 336	Wireless Technologies	3
CISN 308	Internetworking with TCP/IP	3
CISS 310	Network Security Fundamentals	3
A minimum of 6 units from the following:		6
CISN 300	Network Systems Administration (3)	
CISN 303	Network Administration - Linux Server (3)	
CISN 304	Networking Technologies (3)	
CISN 316	Virtualization Concepts and Technologies (3.5)	
CISN 327	Cloud Infrastructure and Services (3.5)	
CISN 328	Cloud Solution Architect (3)	
CISN 329	Cloud SysOps and Operations Administration (3)	
CISS 316	Cisco Networking Academy™: CCNA Cybersecurity Operations (3)	
CISS 321	Scripting for Cyber Security (3)	
CISS 327	Cisco Networking Academy™: CCNA Security: Implementing Network Security (3.5)	
Total Units:		**30**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- develop best practices for configuring Internet Protocol (IP) addresses.
- evaluate and implement technologies to support IP routing protocols such as Routing Information Protocol (RIP), Interior Gateway Routing Protocol (IGRP), and Open Shortest Path First (OSPF).
- construct and configure access lists.
- compare and contrast types of network media.
- demonstrate competency in Windows operating system terminology and commands, account management, and file management and storage.
- demonstrate working knowledge of principles in computer networking and data management, information systems security, or web server administration depending, on the electives chosen.

Career Information

Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists.

PC Support Certificate

With the rapid expansion of computers into all aspects of society, there is a growing need for technicians with a broad range of knowledge in computer applications to install, maintain, and support computers and communications networks. Students earning this certificate are prepared to acquire entry-level positions in computer support. Employers hiring students earning this certificate will immediately benefit from the skills the students bring to their jobs.

Certificate Requirements

Course Code	Course Title	Units
BUS 310	Business Communications (3)	3 - 4
or ENGWR 300	College Composition (3)	
or ENGWR 488	Honors College Composition and Research (4)	
or ESLW 340	Advanced Composition (4)	
CISA 305	Beginning Word Processing	2
CISA 315	Introduction to Electronic Spreadsheets	2
CISA 323	Database Management using Microsoft Access	2
CISA 340	Presentation Graphics	2
CISC 305	Introduction to the Internet	1
CISC 310	Introduction to Computer Information Science	3
CISC 320	Operating Systems	1
CISC 351	Introduction to Local Area Networks	1
CISC 355	Introduction to Data Communications	1.5

Course Code	Course Title	Units
CISC 360	Information & Communication Technology Essentials (A+)	4
CISS 300	Introduction to Information Systems Security (1)	1 - 3
or CISS 315	Ethical Hacking (3)	
Total Units:		**23.5 - 26.5**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- compose clear, grammatically-correct documents related to business.
- design electronic spreadsheets useful in making decisions.
- design, install, and maintain a local area network.
- design presentation graphics.
- construct and implement web pages, including links, graphics, and text.
- demonstrate understanding of the basic components of data communications.
- analyze and troubleshoot computer hardware and software problems.
- apply database software to organize information for decision-making.
- demonstrate competency in basic operating systems terminology, commands, and functions.
- demonstrate competence in the Internet related to searches, email, and security.
- demonstrate competence in formatting text using word processing software.

Career Information

Career opportunities for students earning the PC Support Certificate include entry level positions in the following areas: Technical Salesperson, Help Desk Support Technician, Systems Analyst, Data Entry Personnel, Assistant Documentation Specialist, and Assistant Trainer.

Programming Certificate

The programming certificate provides the basic proficiencies required of computer programmers for entry-level software technician positions or further study in Computer Science.

Certificate Requirements

Course Code	Course Title	Units
BUS 310	Business Communications (3)	3 - 4
or ENGWR 300	College Composition (3)	
or ENGWR 488	Honors College Composition and Research (4)	
CISP 301	Algorithm Design and Implementation	4
CISP 360	Introduction to Structured Programming	4
CISP 400	Object Oriented Programming with C++ (4)	4
or CISP 401	Object Oriented Programming with Java (4)	
CISP 430	Data Structures	4
CISP 457	Introduction to Systems Analysis and Design	3
Total Units:		**22 - 23**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze information processing requirements using structured or object oriented software development methodologies.
- design structured or object oriented software systems.
- build structured or object oriented software systems.
- evaluate software systems for conformance to system requirements.
- document program or systems requirements or present written analyses.

Career Information

Students earning a Programming Certificate of Achievement are qualified to pursue entry level positions as software designers and engineers, systems analysts, and software testers.

Web Developer Certificate

Web Developers are proficient at creating website structure and interactivity. The Web Developer certificate requires students design, code and implement HTML, CSS, and other languages for creating websites to implement database tools and custom applications for the Web. Students will design, code, and test interactive websites with emphasis on learning mark-up, programming and scripting languages for interactivity and connectivity to data on the Web.

Certificate Requirements

Course Code	Course Title	Units
CISA 323	Database Management using Microsoft Access	2
CISA 324	Intermediate Database Management using Access	2
CISC 310	Introduction to Computer Information Science	3
CISC 323	Linux Operating System	1
CISC 324	Intermediate Linux Operating System	1
CISP 301	Algorithm Design and Implementation	4
CISP 350	Database Programming	3
CISW 306	Introduction to Web Page Creation and Web Accessibility	2[1]
CISW 327	Introduction to Web Development coding HTML and CSS	4[2]
CISW 400	Client-side Web Scripting	4
CISW 410	Middleware Web Scripting	4
DDSN 331	Digital Imaging I	3

Course Code	Course Title	Units
DDSN 360	User Interface Design	3
A minimum of 3 units from the following:		3[3]
CISW 498	Work Experience in Computer Information Science - Web (0.5 - 4)	
Total Units:		**39**

[1]CISC 306 AND CISW 370 may be substituted for this course.

[2]CISW 320 AND CISW 304 may be substituted for this course.

[3]Students who previously completed CISW 470 may request a course substitution for this course if a comprehensive development project can be presented to illustrate expected competencies of this program.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- manage a multi-level website hosted on a Web server.
- utilize multiple programs simultaneously in order to develop websites.
- recommend a Web scripting language, current markup language or Web authoring software, and cascading style sheets to develop complex websites that are uploaded via File Transfer Protocol (FTP) to a Web server.
- research and implement current, valid World Wide Web Consortium (W3C) standards, including W3C Accessibility Standards.
- plan a structured approach to website development that identifies the information dissemination needs of a client and organizes the content effectively and efficiently in order to communicate to an identified audience; then develop and implement an appropriate Web solution.
- utilize client-side scripting in order to manipulate interactive objects like navigation bars, forms, rollovers, other event handling, and the control of windows, frames, and layers.
- develop Web solutions that include form validation and processing, server-side programming with hypertext-preprocessor (PHP), and database-driven Web development.
- demonstrate proficiency in the process of Web project management on a real-world website including design specification, research, production, modification, time estimation, and presentation.
- design, implement, manage, and evaluate data management systems involving custom programming to solve complex business problems.
- estimate the hours needed or cost to develop and deliver the solution to a complex business problem.
- construct code in a currently used Web scripting language.
- demonstrate an understanding of the current technologies and processes of interactive design, motion graphics, and website development.
- describe the relationship between user-centered design concepts, user interface (UI) design, user experience (UX) design, and usability testing.

Career Information

Career Opportunities include employment as a Web Developer, Webmaster, Systems Analyst, Web Systems Analyst, IT Analyst, ICT Analyst, Web Database Administrator, Front-end Web Developer, and Web Programmer.

Web Production Specialist Certificate

This certificate prepares students with foundation skills needed to explore a multitude of careers in front-end Web development. The Web Production Specialist certificate requires students learn to code HTML and CSS and use Web creation and image editing tools to design, code, edit, and test websites. Fundamental concepts of using a Content Management System will also be introduced.

Certificate Requirements

Course Code	Course Title	Units
CISC 305	Introduction to the Internet	1
CISC 310	Introduction to Computer Information Science	3
CISC 323	Linux Operating System	1
CISC 324	Intermediate Linux Operating System	1
DDSN 331	Digital Imaging I	3
DDSN 360	User Interface Design	3
CISW 306	Introduction to Web Page Creation and Web Accessibility	2[1]
CISW 327	Introduction to Web Development coding HTML and CSS	4[2]
Total Units:		**18**

[1]CISC 306 AND CISW 370 may be substituted for this course.

[2]CISW 320 AND CISW 304 may be substituted for this course.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- develop multi-page websites communicating a specific message while following language specifications and syntax requirements as recommended by the World Wide Web Consortium (W3C).
- learn to code HTML (Hypertext Markup Language), HTML5, XHMTL (Extensible HyperText Markup Language), and CSS (Cascading Style Sheets) using open-source software and Web developer tools to manage files and other assets on a website.
- use images, graphics and multi-media following standard practices as outlined in the W3C Recommended Standards, including W3C Accessibility Standards.
- learn principles for using a Content Management System (CMS), such as WordPress, for creating and editing Web pages.

- examine technical recommendations for using markup and style sheet languages, following recommendations of the W3C Accessibility Standards.
- demonstrate an understanding of visual hierarchy and scale through successful completion of a comprehensive final project.
- conceive and design effective site maps, wireframes, navigation, user interfaces, and prototypes.
- describe the relationship between user-centered design concepts, user interface (UI) design, user experience (UX) design, and usability testing.
- demonstrate the use of current technologies and processes of user interface and responsive website design.

Career Information

Students completing this program will have skills needed for entry-level positions for building and editing pages for the Web. Students will be able to: build a personal website for a client, create and edit blogs, setup for a simple site using a content management system such as WordPress, and have technical skills that will support small business or other entities for entry-level positions in Web page editing and development.

iOS App Developer Certificate

This certificate is designed to build upon the Everyone Can Code courses to round out students' skills related to App making, including design, entrepreneurship, and computer science.

Certificate Requirements

Course Code	Course Title	Units
CISM 201	Introduction to App Development with Swift	3
CISM 202	App Development with Swift	3
CISM 203	Advanced App Development with Swift	3
CISP 301	Algorithm Design and Implementation	4
DDSN 360	User Interface Design	3
ENTR 350	Introduction to Entrepreneurship, Strategy, and Managing People	3
A minimum of 3 units from the following:		3
CISP 350	Database Programming (3)	
CISP 360	Introduction to Structured Programming (4)	
CISP 362	Programming for Mobile Devices I (4)	
CISW 306	Introduction to Web Page Creation and Web Accessibility (2)	
CISW 327	Introduction to Web Development coding HTML and CSS (4)	
DDSN 301	Graphic Design I (3)	
DDSN 390	Professional Practice and Portfolio (3)	
ENTR 352	21st Century Skills & Professional Competencies for Entrepreneurs (3)	
ENTR 356	Bootstrap Marketing for Entrepreneurs (3)	
Total Units:		**22**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- create an iOS app.
- generate and evaluate a business plan.
- understand basic programming structures and algorithms.
- design an elegant User Interface.

Career Information

Students could pursue careers in entrepreneurship and iOS application development.

Computer Information Science - Applications (CISA) Courses

CISA 305 Beginning Word Processing

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: CISC 300 or 310 with a grade of "C" or better
Advisory: BUS 107 with a grade of "P" or ability to touch type at 28 wpm.
Transferable: CSU

The course introduces the student, through hands-on activities, to the use of word processing on microcomputers. The course includes basic word processing operations such as terminology and screen formats, dialog boxes, text editing, text formatting, text enhancements, sorting, tables, merging functions, saving and retrieving, and printing text.

CISA 306 Intermediate Word Processing

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: CISA 305 with a grade of "C" or better; completed within five years prior to enrollment in CISA 306.
Transferable: CSU

This course builds upon previous training in the use of word processing programs. The course includes a brief review of basic editing and text concepts, and then covers intermediate software features such as document processing functions, macro programming functions, complex document styles and commands, and table and graphics applications. The course incorporates all word processing features into the production of one final presentation.

CISA 315 Introduction to Electronic Spreadsheets

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 300 or 310 with a grade of "C" or better; BUS 107 with a grade of "P" or ability to touch type at 28 wpm.
Transferable: CSU

This course introduces the use of electronic spreadsheet programs. Topics of the course will include: professional formatting of spreadsheets; writing formulas and functions to perform mathematical operations; creating charts; creating, sorting, and filtering lists; developing what-if models, performing spreadsheet database functions, and producing reports. The course introduces 3-D cell referencing, various advanced look up and financial functions, and querying techniques.

CISA 316 Intermediate Electronic Spreadsheets

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: CISA 315 with a grade of "C" or better
Transferable: CSU (Effective SP15)

This course introduces students to the intermediate features of spreadsheet programs. The course covers macros, data tables and lookup functions, logical expressions as well as advanced file operations, functions, and convenience commands. Students will follow spreadsheet templates and design their own sheets.

CISA 323 Database Management using Microsoft Access

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: CISC 300 or 310 with a grade of "C" or better
Transferable: CSU

This course introduces database management systems in a single-user environment. Topics include database objects, data types, data integrity, relational tables, complex queries, forms, reports, sharing data with other Windows applications, and data maintenance. Students who have completed both CISA 320 and CISA 321 may not receive credit for this course.

CISA 324 Intermediate Database Management using Access

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: CISA 323 with a grade of "C" or better; or CISA 320 and CISA 321 with grades of "C" or better
Advisory: CISC 310 with a grade of "C" or better
Transferable: CSU

This course will extend the capabilities of students who have completed a first course in microcomputer database management, with emphasis on database design, reporting, application building, and utilization of files created using other software. Students will design and implement practical database applications. Topics include relational database design, data normalization, administering databases on a server, and creating queries using select statements.

CISA 340 Presentation Graphics

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 300 or 310 with a grade of "C" or better; BUS 107 with a grade of "C" or better or the ability to touch type at 28 wpm.
Transferable: CSU

This course presents an in-depth look at using computers as a graphics presentation tool to assist oral, written, and on-screen presentations. Topics include system requirements, graphic software, elements of a good presentation, types of graphics, and designing slide show techniques for visual presentations. Methods on how to edit and format presentations, animation, organizational charts, and clips (graphics, sounds, or video) will also be covered. Designing presentations linked to word processing, spreadsheet, or database programs is included. Students will use a variety of computer hardware and software to produce individual and/or group projects.

CISA 499 Experimental Offering in Computer Information Science - Applications

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Computer Information Science - Core (CISC) Courses

CISC 299 Experimental Offering in Computer Information Science - Core

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

CISC 300 Computer Familiarization

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: BUS 107 with a grade of "P" or ability to touch type at 28 wpm.
Transferable: CSU

This course acquaints students with how computers are used in the home and in business functions. The course emphasizes microcomputers, how they work, how they can be used, and the terminology of the computer world. Microcomputer applications using the Windows environment are presented with hands-on homework assignments. This course does not serve as a prerequisite to computer science programming courses but does serve as a prerequisite and advisory for Computer Information Science application courses. The course is specially designed for students wanting a very general, non-technical, introductory course in computers.

CISC 305 Introduction to the Internet

Units: 1
Hours: 18 hours LEC
Prerequisite: CISC 300, 310, or 320 with a grade of "C" or better
Transferable: CSU

This course explains how the Internet works and how to effectively use basic internet services. Topics include browser basics, search engines and search techniques, e-mail, the World Wide Web (WWW), internet security, internet resources, the Cloud, social networking, and building basic Web pages using Hypertext Markup Language (HTML). The course includes the review of laws that guide the use of the Internet and intellectual property on the Web. Other topics include Internet protocols, news groups, discussion lists, connecting to a remote server, (S)FTP (Secure File Transfer Protocol), and current emerging technologies.

CISC 310 Introduction to Computer Information Science

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: CISC 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b)
C-ID: C-ID BUS 140; C-ID ITIS 120

This course examines information systems and their role in business, with a focus on productivity softwares, networking, e-commerce, ethics, security, and system infrastructure. Students will apply these concepts and related methods through hands-on projects to develop computer-based solutions to business problems. This course also covers the function and purpose of computer hardware and software, computer programming concepts, employment opportunities, and the social impact of the computer.

CISC 320 Operating Systems

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 300 or CISC 310 with a grade of "C" or better.
Transferable: CSU

This course introduces the microcomputer operating system. Topics include basic features, file and program management, disk management commands, and menus.

CISC 323 Linux Operating System

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 300 with a grade of "C" or better and ability to touch type.
Transferable: CSU

This course introduces the Linux operating system for microcomputers. Concepts include the kernel, file structures, daemons, Graphical User Interfaces (GUI), open source, file security, and permissions. Procedures for installing software, basic system administration and utilities, the Bourne Again Shell (BASH), command line interface utilities, and introduction to scripting topics are also covered.

CISC 324 Intermediate Linux Operating System

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: CISC 323 with a grade of "C" or better
Transferable: CSU

This course is a continuation of CISC 323. Topics include boot loaders, Linux devices, and Command Line Interface (CLI) system management utilities. It covers advanced Bourne Again Shell (BASH) shell scripting, including looping and decision making logic structures. Alternates to the BASH shell and regular expressions and text stream editors are introduced.

CISC 351 Introduction to Local Area Networks

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 320 and CISC 355 with grades of "C" or better
Transferable: CSU

This course introduces local area networks and provides hands-on training in Local Area Network (LAN) applications and administration. Topics include planning, installing, and maintaining a LAN, responsibilities of the system administrator, and human implications.

CISC 355 Introduction to Data Communications

Units: 1.5
Hours: 27 hours LEC
Prerequisite: None.
Advisory: CISC 300 or CISC 320 with a grade of "C" or better
Transferable: CSU

This course introduces business data communications. It covers media, telecommunications, protocols, interfaces, and packet switching. The Internet will be used for locating, viewing, printing, and downloading information.

CISC 360 Information & Communication Technology Essentials (A+)

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: CISC 310, 320, and 351 with grades of "C" or better
Transferable: CSU

This course provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level ICT professionals. The fundamentals of computer hardware and software, as well as advanced concepts such as security, networking, and the responsibilities of an ICT professional, will be introduced. This course will help students prepare for the CompTIA A+ certification exam.

CISC 362 Microcomputer and Applications Support

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISA 305, CISA 315, and CISC 320 with grades of "C" or better
Transferable: CSU

This course is an in-depth investigation of the technical, business, soft, and self-management skills technicians need to provide effective customer service and support in an information technology (IT) environment. Customer service and problem solving skills needed for success in a small or large business environment are introduced.

CISC 495 Independent Studies in Computer Information Science - Core

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This is an independent studies course. The topics are to be arranged between the instructor and the student. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

CISC 498 Work Experience in Computer Information Science - Core

Units: 1 - 4
Hours: 18 hours LEC; 60 - 300 hours LAB
Prerequisite: None.
Transferable: CSU

This course provides students with opportunities to develop marketable CIS skills in preparation for employment or advancement within their current jobs. Course content includes understanding the application of education to the workforce; completion of required forms, which document the student's progress and hours spent at the work site; and developing workplace skills and competencies. During the course of the semester, the student is required to complete an 18 hour orientation and 75 hours of related paid work experience or 60 hours of unpaid work experience for one unit. An additional 75 or 60 hours of related work experience is required for each additional unit. The course may be taken up to 3 times when there is new or expanded learning on the job for a maximum of 3 units. Only one Work Experience course may be taken per semester.

CISC 499 Experimental Offering in Computer Information Science - Core

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Computer Information Science - Maker (CISM) Courses

CISM 201 Introduction to App Development with Swift

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.

This course introduces the fundamental concepts of app development and programming. Topics include design thinking, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course was formerly known as MAKR 201.

CISM 202 App Development with Swift

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISM 201 with a grade of "C" or better; or equivalent (e.g. CISP 301).

This course delves deeper into app development and programming and introduces the fundamental concepts of structured and object-oriented programming. Topics include user interface design, control flow, variable scope, and using arrays to display data. This course was formerly known as MAKR 202.

CISM 203 Advanced App Development with Swift

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISM 202 with a grade of "C" or better

This course focuses on Advanced App Development. Topics include complex user input, animations, interfacing with the web, and the design cycle. Students will apply techniques for testing and debugging software. This course was formerly known as MAKR 203.

CISM 299 Experimental Offering in Computer Information Science - Maker

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

CISM 499 Experimental Offering in Computer Information Science - Maker

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Computer Information Science - Networking (CISN) Courses

CISN 299 Experimental Offering in Computer Information Science - Networking

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

CISN 300 Network Systems Administration

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 320 (Windows or Linux) with a grade of "C" or better.
Transferable: CSU
General Education: AA/AS Area II(b)

This course covers the administration of a server in a client/server network. Topics include designing a basic network, installing, and configuring a network share, setting up and managing network printers, backing up servers, monitoring and troubleshooting network resources, and establishing policies and procedures for network operations. This course covers materials required for the Microsoft Networking examinations. Recertification is required when the operating system has been updated.

CISN 302 Intermediate Network Systems Administration

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 300 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course continues the further study of systems administration in a client/server network. Topics include configuring the server environment, implementing system policies, implementing and managing fault-tolerant disk volumes, managing applications, managing connectivity for different network and client operating systems, managing remote servers, implementing directory replication and file synchronization, and advanced troubleshooting techniques. Recertification is required when the operating system has been updated.

CISN 303 Network Administration - Linux Server

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 323 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course provides coverage of Linux Network Administration. Topics covered include connecting to a network; utilizing network utilities; planning, accessing, and managing file systems; planning and implementing login and file system security; administering and maintaining the user and printer environment; protecting network data; and installing network applications. This course covers material required for software manufacturer's certification.

CISN 304 Networking Technologies

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 320 with a grade of "C" or better; CISC 355 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP (Internet Protocol) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for further study of computer networks. It uses the OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. This course prepares students for the CompTIA Network+ certification exam.

CISN 306 Advanced Network Systems Administration

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 300 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course covers the administration of a server in an enterprise network. Topics include designing an enterprise network, optimizing network servers for enterprise-related roles, managing enterprise users, groups and resources, planning and implementing connectivity to other networks within the enterprise, server and network optimization, and troubleshooting techniques at the enterprise level. This course covers material required for the Microsoft Networking examinations. Recertification is required when the operating system has been updated.

CISN 307 Windows Active Directory Services

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 300 with a grade of "C" or better
Transferable: CSU

This course covers installing, configuring, and administering Microsoft Windows Active Directory services. It also focuses on implementing Group Policy and understanding the Group Policy tasks required to manage users and computers. Group Policies are used to configure and manage the user desktop environment, configure and manage software, and implement and manage security settings. Installation and configuration of Domain Naming System (DNS) and Windows Internet Naming System (WINS) is covered, as well as publishing, replication, and the backup of the directory services data base. This course covers material required for the Microsoft Networking examinations. Recertification is required when the operating system has been updated.

CISN 308 Internetworking with TCP/IP

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 300 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course covers the further implementation of the TCP/IP protocol suite in an enterprise network. Topics include installing, configuring, and testing TCP/IP, planning and

implementing sub-networks, managing IP address assignments and IP routing, installing, and configuring DNS, TCP/IP network printing, troubleshooting the network with TCP/IP utilities, and planning for IPv6. This course covers material required for the Microsoft Networking examinations.

CISN 315 Advanced Network Administration - Linux Server

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 303 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course covers topics necessary for an experienced network administrator to monitor, maintain, and improve the performance of an existing Local Area Network (LAN). This course covers part of the material required for software manufacturer's certification.

CISN 316 Virtualization Concepts and Technologies

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: CISN 300 or 340 with a grade of "C" or better
Transferable: CSU

This course covers the knowledge and skills necessary to understand and implement Virtualization environments. The core concepts of creating and managing virtual machines, network servers, and network design are presented. The benefits associated with virtualization such as fault tolerance and high availability will also be covered.

CISN 320 Designing Windows Directory Services

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 307 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course provides students with further knowledge and skills necessary to design a Microsoft Windows directory services infrastructure in an enterprise network. At the end of the course, students will be able to describe guidelines for gathering business and administrative information from an organization and explain how to use the information to design an Active Directory structure for an enterprise; design an Active Directory naming strategy; develop a plan to secure and delegate administrative authority over Active Directory objects based on the administrative model of an organization; identify business needs and scenarios that may require modifications of the Active Directory schema; create an Active Directory design based on administrative Group Policy requirements defined by business needs; design a site topology for a multi-domain organization; and design an Active Directory replication plan based on the site topology design.

CISN 327 Cloud Infrastructure and Services

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: CISN 300 or 340 with a grade of "C" or better
Transferable: CSU

This course covers cloud deployment and service models, cloud infrastructure, and the key considerations in migrating to cloud computing. This course also provides the required technology essentials across all domains; including server, storage, networking, applications, and databases to help develop a strong understanding of virtualization and cloud computing technologies.

CISN 328 Cloud Solution Architect

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 327 with a grade of "C" or better
Transferable: CSU

This course covers the fundamentals of building IT infrastructure on cloud platforms. Focus is on optimizing the use of the Cloud by understanding services and their interface with cloud-based solutions. Emphasis will be on best practices for Cloud Computing, and will recommend various design patterns for creating optimal IT solutions. This course also provides opportunities to build a variety of infrastructures via a guided, hands-on approach.

CISN 329 Cloud SysOps and Operations Administration

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 328 with a grade of "C" or better
Transferable: CSU

This course covers troubleshooting, solving problems, and applying best practices in Cloud and design patterns. The focus will be on creating automatable and repeatable deployments of networks and systems, as well as specific features and tools related to configuration and deployment. Emphasis will be on how some businesses design their infrastructures and implement various strategies and services. This course also provides opportunities to build a variety of infrastructures through a guided, hands-on approach.

CISN 336 Wireless Technologies

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 341 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course on wireless networking focuses on the design, planning, implementation, operation, and troubleshooting of wireless networks. It covers a comprehensive overview of technologies, security, and design best practices with particular emphasis on hands-on skills in set up and troubleshooting; 802.11a and 802.11b technologies, products, and solutions; site surveys; resilient WLAN design, installation, and configuration; WLAN security and vendor interoperability strategies.

CISN 340 CISCO Networking Academy (CCNA)tm: Introduction to Networks

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB

Prerequisite: None.
Advisory: CISC 300, 310, and 320 with grades of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)
C-ID: C-ID ITIS 150

This course is designed to introduce students to data communication and networking fundamentals. The course covers networking addressing, which includes calculations and conversions between binary, decimal, and hexadecimal numbering systems. It also surveys data communication hardware and software components and basic networking concepts. Topics covered include data communication, the OSI Model, IP addressing, routing concepts, LAN media, and network management and analyses. This is the first course in preparation for CISCO CCNA certification examination. SCC is a certified CISCO Networking Academy, and all courses are taught by CISCO Certified Academy Instructors (CCAI).

CISN 341 CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: CISN 340 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course covers networking theory and routing technologies, including OSI Model, beginning router configurations, and routed and routing protocols. This is the second course in preparation for CISCO CCNA certification examination. It continues and expands the study of binary, decimal, and hexadecimal numbering systems to change variable length sub-net mass. SCC is a certified CISCO Networking Academy, and all courses are taught by CISCO Certified Academy Instructors (CCAI).

CISN 342 CISCO Networking Academy (CCNA)tm: Enterprise Networking, Security, and Automation

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: CISN 341 with a grade of "C" or better
Transferable: CSU

This course provides advanced routing and switching technologies. Topics include advanced router configurations, network management, network design, WANs concepts and network security. This is the third course in preparation for CISCO CCNA certification examination. SCC is a certified CISCO Networking Academy, and all courses are taught by CISCO Certified Academy Instructors (CCAI). This course was formerly known as CISCO Networking Academy (CCNA)™: Advanced Routing and Switching.

CISN 346 Network Design and Projects

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: CISN 341 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course covers various state-of-the-art topics to design CISCO network infrastructures to support network services and solutions. Individual topics may include: introduction to voice design concepts; design principles; network structure and IP addressing design concepts; basic campus switching design and WAN design considerations; routing protocol design considerations; introduction to security design concepts; and network management design concepts.

CISN 350 CISCO Networking Academy (CCNP)tm: CCNP Enterprise: Core Networking

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: CISN 342 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification
Transferable: CSU

This course develops knowledge and skills needed to configure, troubleshoot, and manage enterprise wired and wireless networks. Implementation of security and network design principles in an enterprise network will be covered. This is the first course in preparation for CISCO CCNP certification examination. SCC is a certified CISCO Networking Academy, and all courses are taught by CISCO Certified Academy Instructors (CCAI).

CISN 351 CISCO Networking Academy (CCNP)tm: CCNP Enterprise: Advanced Routing

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: CISN 342 with a grade of "C" or better; or valid CISCO Certified Network Associate (CCNA) certification
Transferable: CSU

This course focuses on implementation and troubleshooting of advanced routing and redistribution for Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), and Border Gateway Protocol (BGP) along with VPN technologies, infrastructure security and management tools used in enterprise networks. This is the second course in a series of two advanced courses in preparation for the CISCO CCNP certification examination. SCC is a certified CISCO Networking Academy, and all courses are taught by CISCO Certified Academy Instructors (CCAI).

CISN 374 Messaging Server Administration

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 300 with a grade of "C" or better.
Transferable: CSU

This course covers the installation and administration of messaging servers. Topics include the installation, configuration, management, and tuning of mail and messaging services on both servers and clients, mail access protocols, security issues, and Internet connectivity.

CISN 378 Database Administration for Microsoft SQL Server

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 300 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course provides students with the knowledge and technical skills required to install, configure, administer, and troubleshoot the client/server database management system of Microsoft SQL Server. The students will also learn to manage files and databases; choose and configure a login security method; plan and implement database permissions; secure SQL Server in an enterprise network; perform and automate administrative tasks; create custom administrative tools; monitor and optimize SQL Server performance; and replicate data from one SQL Server to another.

CISN 499 Experimental Offering in Computer Information Science - Networking

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Computer Information Science - Programming (CISP) Courses

CISP 301 Algorithm Design and Implementation

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: CISC 310 with a grade of "C" or better, and at least one year of high school algebra or MATH 100 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area II(b)

This course provides an introduction to the analysis, design, and implementation of software solutions to simple problems using console input and output. Students develop and implement standard algorithms for performing such things as a bubble sort, a linear search of an array, and data validation. Other programming topics covered include file input/output and functions. Additional topics covered include converting numbers between numbering systems, binary addition, and binary subtraction.

CISP 310 Assembly Language Programming for Microcomputers

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 301 and 360 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b)
C-ID: C-ID COMP 142

This is an introductory course in assembly language for the Intel family of microprocessors. Students will write and debug programs that use control structures, subprocedures, bit operations, arrays, and interrupts. Upon completion of the course, students will have an increased understanding of the internal operations of computers.

CISP 320 COBOL Programming

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 301 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course is an introduction to the COBOL programming language. Course elements include top-down design and structured programming methods. Laboratory assignments cover a variety of input/output techniques including data validation, arithmetic operations, output editing, array processing, control-break concepts, and the creation and update of sequential files.

CISP 350 Database Programming

Units: 3
Hours: 54 hours LEC
Prerequisite: CISA 323 or CISP 301 with a grade of "C" or better
Advisory: Proficiency in any high-level programming language
Transferable: CSU; UC
General Education: AA/AS Area II(b)

This is an introductory course in database programming. Topics include data modeling and database normalization. Structured Query Language (SQL) and Procedural Language (PL)/SQL will be used to design, develop, and deploy beautiful, responsive, database-driven web applications.

CISP 357 Introduction to Big Data

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 301 with a grade of "C" or better
Advisory: BUS 310 with a grade of "C" or better
Transferable: CSU; UC

This is an introductory course covering important terminology, concepts, and computer languages commonly used in big data analytics and data science. Specific topics include converting raw data to data sets, importing and exporting data, and data set reconstruction.

CISP 358 Data Analysis

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 357 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b)

This course covers statistical modeling, analysis of variance, regression, and categorical data analysis. Students will explore and summarize data, apply multiple comparison techniques in ANOVA, use chi-square statistics to detect

associations among categorical variables, and fit multiple logistic regression models. Emphasis is on fitting models, verifying the model assumptions, and using alternative analysis strategies when necessary.

CISP 359 Big Data Analytics

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 357 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b)

This course covers techniques for predicting outcomes with supervised machine learning, unearthing patterns in customer behavior, and analyzing structured, unstructured, and big data.

CISP 360 Introduction to Structured Programming

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 301 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b)
C-ID: C-ID COMP 112

This course is an introduction to structured programming and objects. Topics include program design, documentation, testing, and debugging as well as use of variables and constants, operators, control structures, functions, standard libraries, pointers, arrays, and input/output (including file I/O), classes, and objects.

CISP 362 Programming for Mobile Devices I

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 301, 360, 400, or 401 with a grade of "C" or better; or experience using any modern, high-level programming language
Transferable: CSU

This course is an introduction to programming for mobile devices such as cell phones and tablets. Topics include development tools, user interface design, documentation, testing, debugging, and publishing.

CISP 400 Object Oriented Programming with C++

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 360 with a grade of "C" or better.
Advisory: CISC 323 with a grade or "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b)
C-ID: C-ID COMP 122

This course is an introduction to object oriented programming using C++. Topics include differences between C and C++ including declarations, constants, operators, function calling by value and reference, strict type checking; function members and overloading; inheritance and multiple inheritance; derived classes, protected members, and virtual functions.

CISP 401 Object Oriented Programming with Java

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 360 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b)

This course is an introduction to Object Oriented Programming using the Java language. The student will learn how to design and implement object oriented applications. Topics will include: objects, classes, Unified Modeling Language, function overloading, inheritance, static and dynamic class relationships, polymorphism, components, event driven programming, class associations, testing and debugging.

CISP 430 Data Structures

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISP 400 or 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b)
C-ID: C-ID COMP 132

This course is an introduction to the design and implementation of complex data structures used in large computer applications. List, stack, queue, and tree data structures are implemented using pointers and recursion. Topics include software requirements specification, algorithm analysis, debugging and testing, searching and sorting techniques, and object oriented programming methodology.

CISP 440 Discrete Structures for Computer Science

Units: 3
Hours: 54 hours LEC
Prerequisite: CISP 400 or 401 with a grade of "C" or better; MATH 372 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID COMP 152

This course introduces the essential discrete structures used in computer science with emphasis on their applications. Topics to be covered include: elementary formal logic and set theory, elementary combinatorics, recursive programming, algorithm analysis, digital logic, combinatorial circuits, and computer arithmetic. Computer programming assignments will be included.

CISP 457 Introduction to Systems Analysis and Design

Units: 3
Hours: 54 hours LEC
Prerequisite: CISA 323 and CISC 310 with grades of "C" or better; and any one of the following: CISP 320, CISP 360, CISP 370, CISP 400, or CISP 401 with grade of "C" or better.
Transferable: CSU

The course presents a systematic methodology for analyzing a business problem or opportunity.
Students will determine what role, if any, computer-based

technologies can play in addressing the business need. Students will also learn how to articulate business requirements for the technology solution and how to specify alternative approaches to acquiring the technology capabilities needed to address the business requirements.
Most importantly students will learn how to specify the requirements for the information systems solution among in-house development, development by third-party providers, or purchase commercial-off-the-shelf packages.

CISP 499 Experimental Offering in Computer Information Science - Programming

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Computer Information Science - Security (CISS) Courses

CISS 300 Introduction to Information Systems Security

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

This course provides an introduction to network-based and Internet-based security applications and standards. Topics include cryptography, security protocols, network security applications, encryption, hash functions, digital signatures, viruses, and key exchange.

CISS 310 Network Security Fundamentals

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISN 300, 303, and 340 with grades of "C" or better
Transferable: CSU

This course provides the fundamental knowledge needed to analyze risks to the system and implement a workable security policy that protects information assets from potential intrusion, damage, or theft. Students will learn which countermeasures to deploy to thwart potential attacks. This course will also prepare students for CompTIA's Security+ Exam.

CISS 315 Ethical Hacking

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 320 or CISS 300 with a grade of "C" or better
Transferable: CSU

This course introduces the network security specialist to the various methodologies for attacking a network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course will emphasize network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students will receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students will experience a hands-on practical approach to penetration testing measures and ethical hacking. Formerly known as CISS 301.

CISS 316 Cisco Networking Academy™: CCNA Cybersecurity Operations

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISN 340 and CISS 310 with grades of "C" or better
Transferable: CSU

This course equips students with the knowledge and skills needed by today's organizations that are challenged with rapidly detecting cybersecurity breaches and effectively responding to security incidents. The CCNA Cybersecurity Operations curriculum provides an introduction to the knowledge and skills needed for a Security Analyst working with a Security Operations Center team. CCNA Cyber Ops covers core security skills needed for monitoring, detecting, investigating, analyzing and responding to security events, thus protecting systems and organizations from cybersecurity risks, threats, and vulnerabilities.

CISS 321 Scripting for Cyber Security

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISN 340, CISS 310, or CISS 315 with a grade of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)

This course is designed to cover tools that are commonly used by Information Security Professionals. Modern Operating Systems and scripting languages will be discussed as well as utilities and technologies that enable them. Topics including securing, hardening systems, incident response, automating tasks, auditing, and vulnerability assessment will be covered.

CISS 327 Cisco Networking Academy™: CCNA Security: Implementing Network Security

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: CISN 340 and 341 with grades of "C" or better
Advisory: CISS 310 with a grade of "C" or better
Transferable: CSU

This course provides the theoretical understanding of network security and the hands-on skills to implement and support network security. Topics include Cisco switch and router security, Authentication, Authorization, and Accounting (AAA), Access Control Lists (ACLs), Firewalls, Intrusion Prevention System (IPS), and Virtual Private Networks (VPNs). Additionally, the Cisco Adaptive Security Appliance (ASA) and Adaptive

Security Device Manager (ASDM) are covered. Sacramento City College is a certified Cisco Networking Academy®, and this course prepares students for the Cisco CCNA Security certification exam.

CISS 330 Implementing Internet Security and Firewalls

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISS 310 with a grade of "C" or better
Transferable: CSU

The firewall has emerged as a primary tool used to prevent unauthorized access. Students will learn how to allow access to key services while maintaining an organization's security, as well as how to implement firewall-to-firewall Virtual Private Networks (VPNs).

CISS 350 Disaster Recovery

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: CISS 310 with a grade of "C" or better
Transferable: CSU

This course presents methods to identify vulnerabilities and implement appropriate countermeasures to prevent and mitigate failure risks for the business enterprise. This course covers but is not limited to an understanding of what disaster recovery is, development of a disaster recovery plan, and development and implementation of Policies and Procedures.

CISS 356 Introduction to Information Assurance

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 320 or CISS 300 with a grade of "C" or better
Transferable: CSU

This course introduces the network security specialist to the various methodologies for attacking a network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course will emphasize network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students will receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students will experience a hands-on practical approach to penetration testing measures and ethical hacking.

CISS 360 Computer Forensics and Investigation

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISS 310 or 315 with a grade of "C" or better
Transferable: CSU

This course is an introduction to the methods used to properly conduct a computer forensics investigation beginning with a discussion of ethics, while mapping to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Topics include, but are not limited to, an overview of computer forensics as a profession; the computer investigation process; understanding operating systems boot processes and disk structures; data acquisition and analysis; technical writing; and a review of familiar computer forensics tools.

Computer Information Science - Web (CISW) Courses

CISW 299 Experimental Offering in Computer Information Science - Web

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

CISW 306 Introduction to Web Page Creation and Web Accessibility

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: CISC 305 or 310 with a grade of "C" or better
Transferable: CSU

This course introduces foundation concepts of coding HTML, CSS, and using a content management system for the production of Web pages. Web page creation will include formatting, layout, construction, and presentation. The current version of markup language will be introduced, as identified by the World Wide Web Consortium (W3C). This course also introduces methods used to design accessible websites for people with disabilities. Students will design and develop pages accessible to people with disabilities, in accordance with the W3C Accessibility Standards. This includes understanding how to perceive, understand, navigate, and interact with the Web. This course explores software tools to assist visual, auditory, physical, speech, cognitive, and neurological disabilities, and has students experience using pages on the Web using software or open-source tools to illustrate various tools used to view Web pages for accessibility. Current legal requirements for accessible websites, including the Americans with Disabilities Act (ADA) and Section 508, are emphasized and implemented in project work produced in this course.

Students who have successfully completed CISC 306 and CISW 370 are not eligible to take this course.

CISW 327 Introduction to Web Development coding HTML and CSS

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Corequisite: CISW 306
Advisory: CISC 310 with a grade of "C" or better; Students should be confident in managing files and folders and working on the Internet.
Transferable: CSU; UC

General Education: AA/AS Area II(b)

This course teaches foundations of coding HTML and CSS. Technical aspects of Web development are included for using text, images, links, objects, forms, tables, and multi-media on Web pages. CSS will be implemented using inline, embedded and external styles, media queries, selectors, web fonts, pseudo-classes, pseudo-elements, and other CSS techniques to apply advanced features for the presentation of Web pages. Open-source developer tools and online resources will be introduced. Websites will be managed locally and on a network using effective file management and file transfer protocols. World Wide Web Consortium (W3C) recommended standards will be emphasized using a structured approach in writing validated, accessible, and adaptive code for multiple devices: mobile phones, tablets and desktops. Students taking this course should have fundamental skills in file management and be familiar with fundamental operating system skills-sets for success in this course. Students who have successfully completed CISW 320 and CISW 304 are not eligible to take this course.

CISW 400 Client-side Web Scripting

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISW 327 with a grade of "C" or better; or equivalent experience hand-coding Web pages; AND CISP 301 with a grade of “C” or better or equivalent programming experience
Transferable: CSU
General Education: AA/AS Area II(b)

This course emphasizes client-side software development skills used to create interactive, data-driven websites, and Web applications with JavaScript. Topics include core language features and common design patterns, event handling, using the Document Object Model to dynamically modify Web pages, form validation, sending and receiving data with AJAX and JSON, and facilitating development with commonly-used frameworks such as jQuery.

CISW 410 Middleware Web Scripting

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CISW 327 with a grade of "C" or better; OR equivalent experience hand-coding Web pages; AND CISP 301 with a grade of “C” or better or equivalent programming experience
Transferable: CSU
General Education: AA/AS Area II(b)

This course emphasizes server-side software development skills used to create interactive, data-driven websites and Web applications with a middleware scripting language or framework such as PHP, ASP.NET, or Django. Topics include core language features and common design patterns, use of the HTTP and CGI protocols to send and receive data, form validation, cookies and sessions, and database interaction.

CISW 498 Work Experience in Computer Information Science - Web

Units: 0.5 - 4
Hours: 60 - 300 hours LAB
Prerequisite: CISW 327 and either CISW 400 or CISW 410 with grades of "C" or better.
Enrollment Limitation: The student must be in a paid or unpaid job, volunteer position, or internship.
Transferable: CSU
General Education: AA/AS Area III(b)

This course provides students with opportunities to further develop their Web development skills in preparation for employment or advancement within their current jobs. Course content includes understanding the application of education to the workforce; completion of required forms, which document the student's progress and hours spent at the work site; and developing workplace skills and competencies. During the course of the semester, the student is required to fulfill development of Web projects. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. The student must have a paid job, volunteer position, or internship related to Web development secured to remain enrolled in the course. The student will be required to attend an orientation at the beginning of the course and complete a minimum of 75 hours to a maximum of 300 hours of paid work; or a minimum of 60 hours to a maximum 240 hours of unpaid work per unit per semester. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

CISW 499 Experimental Offering in Computer Information Science - Web

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Cosmetology

The Cosmetology department is designed to train students to become cosmetologists and nail technicians, and, at the same time, students may earn an Associate in Science Degree.

The program requires a certain number of hours training in cosmetology and completing a minimum number of operations in order to prepare students in meeting the requirements to sit for the California State Examination for the Cosmetology or Manicuring license.

The SCC Cosmetology Department offers a comprehensive curriculum that serves the student population by providing an outstanding Certificate and AS Degree Cosmetology Program that prepares our graduate for entry-level jobs within the industry, as well as, addressing and meeting the needs of the Sacramento community and its surrounding areas.

Degrees and Certificates Offered

A.S. in Cosmetology

Art and Science of Nail Technology Certificate

Cosmetology Certificate

Dean Gary Hartley
Department Chair Peter Wong
Phone (916) 375-5513
Email wongp@scc.losrios.edu

Associate Degree

A.S. in Cosmetology

The course of study for cosmetology is approved by the California State Board of Barbering and Cosmetology. It is designed to train students to become a professional in the world of cosmetology, receive a certificate and at the same time, may earn an Associate of Science Degree. The program requires 1600 hours (3 semesters) of training in cosmetology and completion of a minimum number of operations in order to prepare students to meet the requirements to sit for the California State Examination for the cosmetology license. The training includes: salon business, effective communication, professional development, customer relations, hair styling, thermal styling, hair cutting, hair coloring, permanent waving, chemical relaxing, various facial procedures, and manicure/pedicure techniques.

Completion of the required prerequisite class COSM 100 with a grade of "C" or better within a two-year period, prior to the beginning semester of the cosmetology and nail technology (manicure) courses.
In COSM 100, students will be introduced to the cosmetology and nail technology (manicuring) industry. The course is designed to give students a clear understanding of the subject matter and procedures of cosmetology and the nail technology industry; along with the policies of the Sacramento City College (SCC) Cosmetology Department and the SCC Campus Student Code of Conduct. In addition, students will be introduced to customer relations, professionalism, and team building.

Procedures: On the first day of COSM 100, students will designate a preference for one of the course offerings options listed below. In the event that too many students select one of the options, a lottery will be held to fill the class. Students who are not selected will have the opportunity to register for their second preference. This process will continue until all courses have been filled.

Spring COSM 110/COSM 111 day
Spring COSM 150/COSM 151 day
Fall COSM 110/COSM 111 day
Fall COSM 150/COSM 151 day

Recommended High School Preparation: English, math, art, basic anatomy and physiology, and basic chemistry. Prospective students must have completed the 10th grade.

Program Costs: Approximately $2,700.00 is estimated for the beginning cosmetology semester and approximately $1,500.00 is estimated for the nail technology semester; for the textbook package, kit, and uniforms, shoes, personal supplies and materials. SCC Cosmetology Department recommends the purchase of the hard cover or digital version of the Pivot Point textbook package and computer program “The Lab”, the SCC Cosmetology or Nail Technology kit and uniforms by the first day of class. In addition, there will be costs each semester of the cosmetology program for: uniforms, program materials, and supplies, etc. The cosmetology and nail technology kits, textbook package, and some uniform items are available at the SCC College Store. Students who anticipate that these costs may create a financial burden should consult the Financial Aid Office for possible assistance, as soon as possible. Students need to apply for financial aid at least one semester prior to the start of the program.

Transfer students from another cosmetology or nail technology program (public or private) must complete COSM 100 with a grade of "C" or better, then be evaluated for appropriate course placement by the cosmetology faculty, upon producing their California State Board of Barbering and Cosmetology “Proof of Training” document.

Degree Requirements

Course Code	Course Title	Units
Enrollment Eligibility:		
COSM 100	Introduction to Cosmetology	2
First full semester:		
COSM 110	Related Technical Knowledge of the Basic Fundamental Skills	5
COSM 111	Basic Foundation of Practical Skills	10
Second full semester:		
COSM 120	Intermediate Certificate Course Theory	5
COSM 121	Intermediate Certificate Course - Laboratory	10
Third full semester:		
COSM 130	Advanced-Certificate Course - Theory	5
COSM 131	Advanced-Certificate Course - Laboratory	10
Total Units:		**47**

The Cosmetology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general

education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Be 16 years of age and have completed the 10th grade
- Have complete the COSM 100 prerequisite course with a grade of a "C" or better

Enrollment Process

Eligible students are selected for the program according to the following steps:

- By completing the COSM 100 prerequisite course with a grade of a "C" or better, within a 2 year period of starting the program.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply technical knowledge and skills related to the cosmetology industry.
- analyze situations in the industry business world, by applying basic knowledge and skills in professionalism and salon management.
- demonstrate hair, skin, and nail techniques and procedures that can be used effectively in the salon workplace.
- demonstrate client consultation skills, health and safety procedures, and industry professionalism.
- demonstrate proper analysis of industry products for use in various phases of the cosmetology and manicuring industry.
- formulate, demonstrate, and complete tasks in preparation for the California State Board of Barbering and Cosmetology written and practical examination.

Career Information

Cosmetologists are employed in every community of the world. Many are self-employed, while others are employed in large or small establishments. A cosmetologist may specialize as a platform artist, hair colorist, hairstylist or hair cutting specialist. Many are salon owners and managers, educators, legally sit for the California State Board of Barbering and Cosmetology as an expert witness and/or travel all over the world in the beauty industry representing hair product manufactures.

Certificates of Achievement

Art and Science of Nail Technology Certificate

This program consists of the following: beginning, intermediate, and advanced training in the art and science of nail technology. Completion of these 500 hours of theoretical and operational requirements will prepare students to meet the requirements to sit for the California State Examination in Manicuring, and will prepare students for employment. The program includes professional image, basic procedures for manicuring including hand and arm massage, basic procedures for pedicure including foot and ankle massage, acrylic nails, nail tips and wraps, gel nails including light and no-light cured, basic electric file techniques, basic airbrushing techniques, nail art and design, customer relations, professionalism, and salon business.

Recommended High School Preparation: art, anatomy, physiology, chemistry, English, and math.

Program Costs: Approximately $700.00 is required at the beginning of the semester for textbooks, kit, uniforms, and personal supplies. In addition, there will be costs throughout the semester for program materials and supplies. Students must purchase the required kit and textbooks by the end of the first week of class or they may be dropped from the program for that semester. The student kit, textbooks, and some uniform items are available at the SCC College Store. Students who anticipate that these costs may create a financial burden should consult the Financial Aid Office for possible assistance. Students need to apply for financial aid at least one semester prior to the start of the program.

Completion of COSM 100 with a grade of "C" or better is required within a two year period prior to the beginning of the cosmetology and nail technology (manicure) courses. A proof of completion form for COSM 100 will be issued and must be presented on the first day of the next COSM course. In COSM 100, students will be introduced to the field of Cosmetology and Nail Technology (manicuring). The course is designed to give students a clear understanding of the subject matter and procedures of Cosmetology and Nail Technology, along with the policies of the SCC Cosmetology Department. In addition, students will receive training in customer relations, professionalism, and working with other students.

Transfer students from another cosmetology or nail technology programs (public or private) must complete COSM 100. After successful completion of the course, the student's records will be evaluated for appropriate course placement by the cosmetology faculty.

Certificate Requirements

Course Code	Course Title	Units
COSM 100	Introduction to Cosmetology	2
COSM 150	Art and Science of Nail Technology	7
COSM 151	Art and Science of Nail Technology - Lab	5.5
Total Units:		**14.5**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Have completed COSM 100 with a grade of "C" or better.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- By lottery on the last day of the COSM 100 class.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate the latest manicuring and pedicuring procedures and techniques for the salon workplace.
- adapt skills in nail enhancements to meet industry standards and client need.
- demonstrate technical knowledge and skills relating to implements, equipment, and materials; nail cosmetic preparation; clean-up, and disposal of hazardous waste.
- demonstrate skills learned in the nail technology program pertaining to client interaction, concentrating on client health and safety, client analysis, and evaluation of products used in all phases of nail technology.
- formulate, demonstrate, and complete tasks in nail technology procedures in preparation for the California State Board of Cosmetology written and practical examination.

Career Information

The nail technology field is one of the fastest growing of the cosmetology industry. This lucrative field employs both men and women, and it provides an opportunity to work for a large or small establishment, as well as being self-employed.

Cosmetology Certificate

The course of study for cosmetology is approved by the California State Board of Barbering and Cosmetology. It is designed to train students to become a professional in the world of cosmetology, receive a certificate and at the same time, may earn an Associate of Science Degree. The program requires 1600 hours (3 semesters) of training in cosmetology and completion of a minimum number of operations in order to prepare students to meet the requirements to sit for the California State Examination for the cosmetology license. The training includes: salon business, effective communication, professional development, customer relations, hair styling, thermal styling, hair cutting, hair coloring, permanent waving, chemical relaxing, various facial procedures, and manicure/pedicure techniques.

Completion of the required prerequisite class COSM 100 with a grade of "C" or better within a two-year period, prior to the beginning semester of the cosmetology and nail technology (manicure) courses.
In COSM 100, students will be introduced to the cosmetology and nail technology (manicuring) industry. The course is designed to give students a clear understanding of the subject matter and procedures of cosmetology and the nail technology industry; along with the policies of the Sacramento City College (SCC) Cosmetology Department and the SCC Campus Student Code of Conduct. In addition, students will be introduced to customer relations, professionalism, and team building.

Procedures: On the first day of COSM 100, students will designate a preference for one of the course offerings options listed below. In the event that too many students select one of the options, a lottery will be held to fill the class. Students who are not selected will have the opportunity to register for their second preference. This process will continue until all courses have been filled.

Spring COSM 110/COSM 111 day
Spring COSM 150/COSM 151 day
Fall COSM 110/COSM 111 day
Fall COSM 150/COSM 151 day

Recommended High School Preparation: English, math, art, basic anatomy and physiology, and basic chemistry. Prospective students must have completed the 10th grade.

Program Costs: Approximately $2,700.00 is estimated for the beginning cosmetology semester and approximately $1,500.00 is estimated for the nail technology semester; for the textbook package, kit, and uniforms, shoes, personal supplies and materials. SCC Cosmetology Department recommends the purchase of the hard cover or digital version of the Pivot Point textbook package and computer program “The Lab”, the SCC Cosmetology or Nail Technology kit and uniforms by the first day of class. In addition, there will be costs each semester of the cosmetology program for: uniforms, program materials, and supplies, etc. The cosmetology and nail technology kits, textbook package, and some uniform items are available at the SCC College Store. Students who anticipate that these costs may create a financial burden should consult the Financial Aid Office for possible assistance, as soon as possible. Students need to apply for financial aid at least one semester prior to the start of the program.

Transfer students from another cosmetology or nail technology program (public or private) must complete COSM 100 with a grade of "C" or better, then be evaluated for appropriate course placement by the cosmetology faculty, upon producing their California State Board of Barbering and Cosmetology “Proof of Training” document.

Certificate Requirements

Course Code	Course Title	Units
COSM 100	Introduction to Cosmetology	2
COSM 110	Related Technical Knowledge of the Basic Fundamental Skills	5
COSM 111	Basic Foundation of Practical Skills	10
COSM 120	Intermediate Certificate Course Theory	5
COSM 121	Intermediate Certificate Course - Laboratory	10
COSM 130	Advanced-Certificate Course - Theory	5
COSM 131	Advanced-Certificate Course - Laboratory	10
Total Units:		**47**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Be 16 years of age and have completed the 10th grade.
- Have completed the COSM 100 prerequisite course with a grade of a "C" or better

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Completed the COSM 100 prerequisite course with a grade of a "C" or better.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply technical knowledge and skills relating to the cosmetology industry.
- analyze situations in the industry business world, by applying basic knowledge and skills in professionalism and salon management.
- demonstrate hair, skin, and nail techniques and procedures that can be used effectively in the salon workplace.
- demonstrate client consultation skills, health and safety procedures, and industry professionalism.
- formulate and demonstrate proper analysis of industry products for use in various phases of the cosmetology and manicuring industry.
- formulate, demonstrate, and complete tasks in preparation for the California State Board of Barbering and Cosmetology written and practical examination.

Career Information

Cosmetologists are employed all over of the world. Many are salon owners, managers and self- employed, while other may be employed by large or small establishments. A cosmetologist may specialize as a hairstylist, hair colorist, hair cutting specialist, texture specialist, platform artist, educator, legally sit for the California State Board of Barbering and Cosmetology as an expert witness and/or travel all over the world, representing industry product manufactures. It is an exciting and every changing industry with many opportunities.

Cosmetology (COSM) Courses

COSM 100 Introduction to Cosmetology

Units: 2
Hours: 36 hours LEC
Prerequisite: None.

Students will receive training in customer relations and professional behavior and appearance. The course also includes an introduction to the basic skills in Cosmetology course work. A final grade of "C" or better is necessary to move on to COSM 110, 111, 120, 121, 130, 131, 140, 150, 151, 152, and 294.

COSM 110 Related Technical Knowledge of the Basic Fundamental Skills

Units: 5
Hours: 90 hours LEC
Prerequisite: COSM 100 with a grade of "C" or better
Corequisite: Concurrent enrollment in COSM 111.
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) Is not less than 17 years of age, (b) Has completed the 10th grade in the public schools of this state or its equivalent.

This course provides instruction in technical and theoretical knowledge that directly relates to the basic skills of all phases of cosmetology. The course material includes bacteriology, decontamination, hairstyling, haircutting, hair structure, massage, nail structure, nail disease and disorders, PH scale, permanent waving, color wheel, hair-coloring, and hair lightening.

COSM 111 Basic Foundation of Practical Skills

Units: 10
Hours: 540 hours LAB
Prerequisite: COSM 100 with a grade of "C" or better.
Corequisite: Concurrent enrollment in COSM 110.
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course provides instruction for those persons interested in becoming licensed cosmetologists. Individual instruction is given in practical application of the basic skills learned in COSM 110. Emphasis is placed on basic hair coloring, permanent waving, hair styling, hair cutting, manicuring, facials, and make-up. Also covered in the course are: transferring of basic training to intermediate and advanced levels in hairstyling, shaping, thermal curling, and hair straightening.

COSM 120 Intermediate Certificate Course Theory

Units: 5
Hours: 90 hours LEC
Prerequisite: COSM 100 with a grade of "C" or better
Corequisite: Concurrent enrollment in COSM 121
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course provides instruction in theoretical knowledge relating to intermediate and advanced levels in all phases of cosmetology: anatomy and physiology, hair styling, cold waving, manicuring, facials, hair coloring, scalp treatment reconditioning, hair cutting, thermal pressing and curling.

COSM 121 Intermediate Certificate Course - Laboratory

Units: 10
Hours: 540 hours LAB
Prerequisite: COSM 100, 110, and 111 with grades of "C" or better.
Corequisite: Concurrent enrollment in COSM 120.
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b)

has completed the 10th grade in the public schools of this state or its equivalent.

This course provides instruction and technical knowledge relating to intermediate and advanced levels in all phases of cosmetology including anatomy and physiology, hair styling, cold waving, manicuring, facials, hair coloring, scalp treatment reconditioning, hair cutting, thermal pressing and curling.

COSM 130 Advanced-Certificate Course - Theory

Units: 5
Hours: 90 hours LEC
Prerequisite: COSM 100, 110, 111, 120 and 121 with grades of "C" or better
Corequisite: Concurrent enrollment in COSM 131
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course encompasses all areas of the theoretical portion of cosmetology relating to the California State Board of Cosmetology examination. It is designed for the senior student who will enter the business world at the end of the semester. Special emphasis is placed on professionalism, salon management, the Cosmetology Act, and the California State Board of Cosmetology Rules and Regulations.

COSM 131 Advanced-Certificate Course - Laboratory

Units: 10
Hours: 540 hours LAB
Prerequisite: COSM 100, 110, 111, 120, and 121 with grades of "C" or better
Corequisite: Concurrent enrollment in COSM 130
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course encompasses all areas of the practical portion of cosmetology relating to the California State Board of Cosmetology examination. It is designed for the senior student who will enter the business world at the end of the semester. Special emphasis is placed on professionalism, salon management, the Cosmetology Act, and the California State Board of Cosmetology Rules and Regulations.

COSM 140 Supplemental Training

Units: 1 - 5
Hours: 54 - 270 hours LAB
Prerequisite: COSM 100 with a grade of "C" or better
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course satisfies the hours and requirements not completed by the student in the COSM 130 and/or COSM 131 course, who want to apply for the Sacramento City College Certificate of Achievement and a California State Board of Cosmetology License.

COSM 141 Skills Building for Cosmetology

Units: 3
Hours: 162 hours LAB
Prerequisite: COSM 100, 110, 111, 120, 121, 130, and 131 with grades of "C" or better
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course satisfies the hours and requirements not completed by the student in the COSM 130 and COSM 131 course, who want to apply for the Sacramento City College Certificate of Achievement and a California State Board of Cosmetology License.

COSM 150 Art and Science of Nail Technology

Units: 7
Hours: 126 hours LEC
Prerequisite: COSM 100 with a grade of "C" or better
Corequisite: COSM 151
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This one-semester course provides instruction in theoretical knowledge that directly relates to the beginning, intermediate, and advanced theory training in manicuring and pedicuring. After completion of this course students will be eligible to apply for the California State Board of Barbering and Cosmetology Manicure Examination. The course will include: salon business, effective communication, professional development, customer relations, theory in procedures for basic and spa manicuring and basic and spa pedicuring procedures, nail enhancements (acrylic nail, nail tip, nail wrap, gel polish and gel nail applications) electric file application, and basic nail art design techniques.

COSM 151 Art and Science of Nail Technology - Lab

Units: 5.5
Hours: 297 hours LAB
Prerequisite: COSM 100 with a grade of "C" or better
Corequisite: COSM 150
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This one-semester course provides hands-on instruction in technical knowledge that directly relates to the beginning, intermediate, and advanced practical training in manicuring and pedicuring. After completion of this course, students will be eligible to apply for the California State Board of Barbering and Cosmetology Manicure Examination. This course will include procedures for basic and spa manicuring, basic and spa

pedicuring, nail enhancements (nail tip, nail fabric wrap, acrylic nail, gel polish and gel nail applications), electric file application, and basic nail art design techniques. Students are required to have a basic manicure kit, including a manikin hand (available for purchase through the college).

COSM 152 Art and Science of Nail Technology - Supplemental Hours

Units: 1 - 5
Hours: 54 - 270 hours LAB
Prerequisite: COSM 150 and 151 with grades of "C" or better
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course satisfies the hours and requirements not completed by the student in the COSM 150 or COSM 151 course, who want to apply for the Sacramento City College Career Certificate or a California State Board of Barbering and Cosmetology Manicure License.

COSM 294 Topics in Cosmetology

Units: 0.5 - 4
Hours: 27 - 216 hours LAB
Prerequisite: COSM 100 with a grade of "C" or better
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course reviews the California State Board of Cosmetology Act, rules and regulations for licensing and establishments, the performance criteria for the written and practical licensing exams, and the latest industry trends, application and procedures.

COSM 295 Independent Studies in Cosmetology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that a student: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or its equivalent.

This course reviews the latest trends in the cosmetology industry and the latest California State Cosmetology Act rules and regulations pertaining to licensing and establishment requirements.

COSM 299 Experimental Offering in Cosmetology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Deaf Culture and American Sign Language Studies

Sacramento City College Deaf Culture and American Sign Language Department provides academic coursework based on a Deaf-centered framework that encourages students to embrace an empowered collaboration with Deaf people. The program prepares students with a basic understanding of and appreciation for their roles in local, regional, national, and global Deaf-Hearing relations and how those relationships impact Deaf people.

Dean Patti Leonard

Department Chair Kevin Clark

Phone (916) 374-7180

Email ClarkK@scc.losrios.edu

Deaf Culture and American Sign Language Studies (DEAF) Courses

DEAF 310 American Sign Language I

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU (Previously approved for SILA 305.); UC (Previously approved for SILA 305.)
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This is the beginning course in a series of four courses in the visual-gestural processes of American Sign Language (ASL). It provides instructional activities for students to become competent in communication with deaf people. The emphasis is on non-speech communication. Credit will be awarded for either SILA 305 or DEAF 310 but not for both. This course is formerly known as SILA 305.

DEAF 312 American Sign Language II

Units: 4
Hours: 72 hours LEC
Prerequisite: DEAF 310 with a grade of "C" or better
Transferable: CSU (Previously approved for SILA 306.); UC (Previously approved for SILA 306.)
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This is the second in a series of four courses in American Sign Language. Topics presented include grammatical features such as adjective descriptors, differentiation between cardinal and ordinal numbers, contrastive structure, temporal aspect markers, and temporal sequencing. Credit will be awarded for either SILA 306 or DEAF 312 but not for both. This course is formerly known as SILA 306.

DEAF 314 American Sign Language III

Units: 4
Hours: 72 hours LEC
Prerequisite: DEAF 312 with a grade of "C" or better
Transferable: CSU (Previously approved for SILA 315.); UC (Previously approved for SILA 315.)
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

This course is the third in a series of four courses in American Sign Language. It emphasizes expressive and receptive nonverbal communication skills between signers who have preliminary American Sign Language syntactical and lexical skills. It provides an understanding of deaf cultural processes by identifying behaviors and norms from activities assigned in the class. It also includes dialogs that involve asking, empathizing, negotiating, and agreeing or disagreeing. The emphasis is on non-speech communication. This course is formerly known as SILA 315. Credit will be awarded for either SILA 315 or DEAF 314 but not for both.

DEAF 316 American Sign Language IV

Units: 4
Hours: 72 hours LEC
Prerequisite: DEAF 314 with a grade of "C" or better
Transferable: CSU (Previously approved for SILA 316.); UC (Previously approved for SILA 316.)
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

This is the final course in a series of four courses in American Sign Language. It emphasizes expressive communication skills that involve sharing interesting facts, talking about money, making major life decisions, and narrating unforgettable moments. It incorporates information and activities previously learned about the Deaf into these narratives. Credit will be awarded for either SILA 316 or DEAF 316 but not for both. This course is formerly known as SILA 316.

DEAF 320 Fingerspelling, Classifiers and Numbers

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: DEAF 310 with a grade of "C" or better
Transferable: CSU

This course provides hands-on experiences with fingerspelling, classifiers, and ASL numbers. Topics include expressive and receptive fingerspelling, classifiers and ASL number techniques. This course enables American Sign Language learners to develop, expand, and reinforce hands-on experiences with fingerspelling, classifiers and ASL numbers skills while working independently, in small groups and with media such as DVDs and record video clips in ASL that incorporate fingerspelling. Coursework includes study topics integrated with expressive and receptive fingerspelling, classifiers and ASL numbers techniques. Student may re-enroll for a maximum of 1 unit. This course is graded as Pass/No PASS.

DEAF 351 Introduction to American Deaf Culture

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Previously approved for SILA 330.); UC (Previously approved for SILA 330.)

General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

This course is a survey of four institutions that have critical impact on the psycho-social development of Deaf people: family, education, work, and society. It provides awareness and sensitivity to the unique challenges of deafhood and how they influence personal-social and communication competencies of the Deaf person. Selected visits to community events may be required. This course is formerly known as SILA 330. Credit will be awarded for either SILA 330 or DEAF 351 but not for both.

DEAF 352 Introduction to American Deaf Education

Units: 3
Hours: 54 hours LEC
Prerequisite: DEAF 351 with a grade of "C" or better
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area I

This course surveys topics related to educating Deaf children, adults, and individuals with additional disabilities. It also covers teaching methods and philosophies, school placement issues, child development, and methods of addressing developmental and linguistic stages. Selected visits to a residential Deaf school in Fremont and/or a local mainstreaming/Deaf program school may be required. This course is formerly known as SILA 332. Credit will be awarded for either SILA 332 or Deaf 352 but not for both.

DEAF 353 Baby Sign Language

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU
General Education: CSU Area C2

This course focuses on Baby Sign Language vocabulary, alphabet, handshape, movement, palm orientation, structure, and grammar. Students will learn core vocabulary, comprehension, and grammar in American Sign Language to understand its structure. Students will also be introduced to the history of the Deaf community and its culture, as well as be exposed to community resources for the Deaf and Hard of Hearing populations.

DEAF 355 Audism and Inequality of the Deaf

Units: 3
Hours: 54 hours LEC
Prerequisite: DEAF 351 with a grade of "C" or better
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; IGETC Area 4

This course focuses on topics in the field of race and ethnicity in the Deaf community. It provides theoretical background and contexts of audism and oppression. It also covers the contribution of minorities including Deaf people to the United States as well as the sociological reasons for inequality of Deaf people in the United States.

DEAF 360 Deaf Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: CSU Area C1; IGETC Area 3A; IGETC Area 3B

This course introduces Deaf Arts such as drawings, sculptures, artifacts, painting, printmaking, and films. We will examine the materials, methods, and design principles of creating Deaf Arts. This course addresses the need and demand of this instruction for global recognition and its social and cultural affects toward Deaf Arts. It promotes global and cultural understanding to the relationship of Deaf Art and the expression of national, regional, socio-economic class, and gender identity.

DEAF 362 Introduction to Deafhood

Units: 3
Hours: 54 hours LEC
Prerequisite: Fluency in American Sign Language (ASL), and strong receptive and expressive skills in ASL without ASL Interpreters.
Advisory: The student needs to have been immersed in the Deaf culture and the Deaf community to be successful in this course.
Transferable: CSU; UC
General Education: AA/AS Area VI; CSU Area D; IGETC Area 4

In this course, an in-depth guide to Deaf culture will be presented, starting from the premise that Deaf culture has an important contribution to make to other academic disciplines and to human lives in general. Within and outside of Deaf communities, there is a need for an account of the new concept of Deaf culture, which helps students or Deaf leaders in the Deaf community to assess its place alongside work within other minority cultures and multilingual discourses. In this course, students will assess the concepts of culture on its own terms and in its many guises and apply these to Deaf communities. In addition, the students will study the pitfalls that have been created for Deaf communities by an unthinking adherence to the medical concept of 'deafness' and contrast this with the new concept of Deafhood: a process by which every Deaf student, family, and adult implicitly explains their existence in the world to themselves and each other.

DEAF 380 American Sign Language Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: DEAF 314 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course introduces American Sign Language (ASL) literature genres such as folklore and folktales, storytelling, visual vernacular, personification, classifier story, poetry, ABC and number stories, and non-fiction narrative. Topics include analyzing and applying ASL usage in ASL literature genres.

DEAF 495 Independent Study

Units: 1 - 3
Hours: 54 - 162 hours LAB

Prerequisite: None.

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among college, faculty members, and students. Independent studies offers students a chance to do research that is more typical of industry and graduate student work. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

DEAF 499 Experimental Offering in Deaf Culture & ASL Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Dental Assisting

The Dental Assisting program is a full-time day program to which students are admitted in August of each year. The curriculum is approved by the Commission on Dental Accreditation of the American Dental Association and leads to an Associate of Science Degree in Dental Assisting. After successful completion of the curriculum the student is eligible to take the National Board Examination and upon passing becomes a Certified Dental Assistant. This evidence of competence is recognized throughout the United States. In addition, graduates will be able to apply for and take the Dental Board of California examination for state licensure as Registered Dental Assistants.

The program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the United States Department of Education.

Degrees and Certificates Offered

A.S. in Dental Assisting

Dental Assisting Certificate

Interim Dean Dr. Rose Giordano

Program Coordinator Tammie Lane

Phone (916) 558-2038

Email DuranG@scc.losrios.edu

Associate Degree

A.S. in Dental Assisting

The Dental Assisting program is a full-time day program to which students are admitted in August of each year. The curriculum is approved by the Commission on Dental Accreditation of the American Dental Association and leads to an Associate of Science Degree in Dental Assisting. After successful completion of the curriculum the student is eligible to take the National Board Examination and upon passing becomes a Certified Dental Assistant. This evidence of competence is recognized throughout the United States. In addition, graduates will be able to apply for and take the Dental Board of California examination for state licensure as Registered Dental Assistants. In addition to normal student expenses (for textbooks, etc.), the Dental Assisting Program requires an expenditure of approximately $2,000.00 during the one-year program for uniforms and special supplies. Applicants are encouraged to check with the Financial Aid Office for possible assistance before entering the program if this creates a hardship.

The program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at 312-440-4653 or at 211 East Chicago Avenue, Chicago, Illinois 60611.

Degree Requirements

Course Code	Course Title	Units
DAST 101	Biodental Science	2.5
DAST 102	Chairside Assisting	6
DAST 103	Patient Assessment	2.5
DAST 104	Dental Anatomy and Morphology	3
DAST 107	Dental Radiology	2.5
DAST 111	Dental Patient Education	1
DAST 112	Registered Dental Assistant Advanced Duties	3
DAST 113	Advanced Patient Assessment and Dental Imaging	2
DAST 115	Registered Dental Assistant Advanced Duty Certifications	2
DAST 116	Practice Management for the Dental Assistant	2
DAST 118	Board Preparation	2
DAST 119	Clinical Experience I	3
DAST 129	Clinical Experience II	3[1]
Total Units:		**34.5**

[1]Offered only in summer session

The Dental Assisting Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Successful completion of DAST100 with a grade of "C" or better.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Complete the online application (which includes uploading proof of eligibility) between January 1 and April 1 to apply for the fall semester program start.
- All eligible candidates will be entered into a random selection pool.
- The first 36 eligible applications will be selected for the program; all others are alternates and will be notified if/when seats become available.
- Students accepted for enrollment in the Dental Assisting Program will be required to provide documentation of: a) capability to perform essential job-related functions of a dental assistant; b) completed physical examination and immunizations; c) TB test; d) current professional level CPR certification; and e) completion of criminal background check and an 8-panel drug screen test.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- incorporate and apply professional, ethical, legal, and regulatory concepts to oral health care services, community projects, and professional activities.
- integrate and apply health literacy and culturally competent communication skills to oral health care services, academic endeavors, community projects, and professional activities.
- apply critical thinking and self-assessment skills to enhance learning, research, patient care, and professional growth.
- adapt knowledge of the practice of dentistry to the demonstration of clinical dental assisting skills.
- exhibit knowledge necessary for successful completion of the California Registered Dental Assistant's Examination and the National Certified Dental Assistant's Examination.

Career Information

This program prepares the student for employment as a dental assistant. The dental assistant works with the dentist in providing patient treatment, including restorations, x-rays, and preventive services. Employment opportunities are excellent, not only in private dental offices, but also in public and private hospitals, clinics and laboratories, dental schools, dental supply houses, and in the armed forces.

Certificate of Achievement

Dental Assisting Certificate

The Dental Assisting program is a full-time day program to which students are admitted in August of each year. The curriculum is approved by the Commission on Dental Accreditation of the American Dental Association and leads to a Certificate of Achievement in Dental Assisting. After successful completion of the curriculum the student is eligible to take the National Board Examination and upon passing becomes a Certified Dental Assistant. This evidence of competence is recognized throughout the United States. In addition, graduates will be able to apply for and take the Dental Board of California examination for state licensure as Registered Dental Assistants. In addition to normal student expenses (for textbooks, etc.), the Dental Assisting Program requires an expenditure of approximately $2,000.00 during the one-year program for uniforms and special supplies. Applicants are encouraged to check with the Financial Aid Office for possible assistance before entering the program if this creates a hardship.

The program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at 312-440-4653 or at 211 East Chicago Avenue, Chicago, Illinois 60611.

Certificate Requirements

Course Code	Course Title	Units
DAST 101	Biodental Science	2.5
DAST 102	Chairside Assisting	6
DAST 103	Patient Assessment	2.5
DAST 104	Dental Anatomy and Morphology	3
DAST 107	Dental Radiology	2.5
DAST 111	Dental Patient Education	1
DAST 112	Registered Dental Assistant Advanced Duties	3
DAST 113	Advanced Patient Assessment and Dental Imaging	2
DAST 115	Registered Dental Assistant Advanced Duty Certifications	2
DAST 116	Practice Management for the Dental Assistant	2
DAST 118	Board Preparation	2
DAST 119	Clinical Experience I	3
DAST 129	Clinical Experience II	3[1]
Total Units:		**34.5**

[1]Offered only in summer session

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Successful completion of DAST100 with a grade of "C" or better.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Complete the online application (which includes uploading proof of eligibility) between January 1 and April 1 to apply for the fall semester program start.
- All eligible candidates will be entered into a random selection pool.
- The first 36 eligible applications will be selected for the program; all others are alternates and will be notified if/when seats become available.
- Students accepted for enrollment in the Dental Assisting Program will be required to provide documentation of: a) capability to perform essential job-related functions of a dental assistant; b) completed physical examination and immunizations; c) TB test; d) current professional level CPR certification; and e) completion of criminal background check and an 8-panel drug screen test.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- incorporate and apply professional, ethical, legal, and regulatory concepts to oral health care services, community projects, and professional activities.

- integrate and apply health literacy and culturally competent communication skills to oral health care services, academic endeavors, community projects, and professional activities.
- apply critical thinking and self-assessment skills to enhance learning, research, patient care, and professional growth.
- adapt knowledge of the practice of dentistry to the demonstration of clinical dental assisting skills.
- exhibit knowledge necessary for successful completion of the California Registered Dental Assistant's Examination and the National Certified Dental Assistant's Examination.

Career Information

This program prepares the student for employment as a dental assistant. The dental assistant works with the dentist in providing patient treatment, including restorations, x-rays, and preventive services. Employment opportunities are excellent, not only in private dental offices, but also in public and private hospitals, clinics and laboratories, dental schools, dental supply houses, educational programs, and the armed forces.

Dental Assisting (DAST) Courses

DAST 100 Introduction to Dental Assisting

Units: 1
Hours: 18 hours LEC
Prerequisite: None.

This course is an introduction to the practice of dental assisting. Topics include dental terminology, infection control, study strategies, and the expectations and concerns of the allied dental health professional.

DAST 101 Biodental Science

Units: 2.5
Hours: 36 hours LEC; 27 hours LAB
Prerequisite: None.
Enrollment Limitation: Acceptance into the Dental Assisting program

Biodental Science includes microbiology and asepsis, disease prevention, infection control regulations, occupational safety procedures, sterilization, and hazardous materials in the dental practice.

DAST 102 Chairside Assisting

Units: 6
Hours: 72 hours LEC; 108 hours LAB
Prerequisite: None.
Enrollment Limitation: Acceptance into the Dental Assisting program

This course is an introduction to basic dental assisting duties and the principles of four-handed dentistry. Basic dental materials and instrumentation are major components of this course.

DAST 103 Patient Assessment

Units: 2.5
Hours: 45 hours LEC
Prerequisite: See enrollment limitations
Enrollment Limitation: Acceptance into the Dental Assisting program

This course is an introduction to patient assessment, including communication skills, medical history assessment, pharmacology, dental history assessment, vital signs, and medical emergencies. An emphasis is placed on the relationship between systemic conditions and prescriptive medications and their effects on the oral cavity and subsequent dental treatment.

DAST 104 Dental Anatomy and Morphology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Acceptance into the Dental Assisting program

The focus of this course is dental anatomy and morphology including the form, function, and location of the hard and soft structures of the mouth. In addition, the course covers material related to general physiology, oral embryology and histology, and physiology of the head and neck as these relate to the practice of dentistry.

DAST 107 Dental Radiology

Units: 2.5
Hours: 27 hours LEC; 54 hours LAB
Prerequisite: See enrollment limitations
Enrollment Limitation: Acceptance into the Dental Assisting program

This course covers the principles of dental radiology. Topics include theory and techniques, operation of the x-ray machine, biological effects, safety practices, and the practical application of utilizing appropriate infection control while exposing, processing, mounting, and evaluating intraoral dental films.

DAST 111 Dental Patient Education

Units: 1
Hours: 18 hours LEC
Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program

The focus of this course is the study of nutrition from a whole body concept and its interrelated effects on the oral environment. Students will integrate these concepts with preventive dentistry concepts and the role of the dental assistant in community and public health situations.

DAST 112 Registered Dental Assistant Advanced Duties

Units: 3
Hours: 27 hours LEC; 81 hours LAB

Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.

This course includes the practical application of advanced dental assisting duties as defined by the Dental Board of California.

DAST 113 Advanced Patient Assessment and Dental Imaging

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program

This course builds on the principles of DAST 103 Patient Assessment. Topics of this course include medical and dental history assessment, treatment planning, head and neck examination, intra-oral inspection of hard and soft tissues, gingival assessment, oral pathology, intra-oral and extra-oral imaging, full mouth radiographs, and case presentation.

DAST 115 Registered Dental Assistant Advanced Duty Certifications

Units: 2
Hours: 108 hours LAB
Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.

This course provides instruction and practice in advanced dental assisting duties including coronal polish, application of pit and fissure sealants, patient assessment, teeth whitening, and caries detection.

DAST 116 Practice Management for the Dental Assistant

Units: 2
Hours: 36 hours LEC
Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.

This course encompasses the principles of dental office management including: administrative procedures, record keeping, scheduling, dental histories, financial arrangements, bookkeeping, insurance procedures, patient communication, patient psychology, and job-finding skills. This course also includes a thorough review of all dental assisting duties allowed by the Dental Board of California and the application process for both the Registered Dental Assistant Exam and the Certified Assistant Exam.

DAST 118 Board Preparation

Units: 2
Hours: 36 hours LEC
Prerequisite: DAST 111, 112, 113, 115, 116, and 119 with grades of "C" or better

This course is the culmination of all previous dental assisting courses and focuses on the specific requirements and components of both the state and national dental assisting board exams. At the completion of this course, students should be well-prepared to take the Registered Dental Assisting examination of the Dental Board of California, as well as the Certified Dental Assistant examination of the Commission on Dental Accreditation.

DAST 119 Clinical Experience I

Units: 3
Hours: 162 hours LAB
Prerequisite: DAST 101, 102, 103, 104, and 107 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program

This course involves performance of dental assisting duties in an assigned dental office.

DAST 129 Clinical Experience II

Units: 3
Hours: 162 hours LAB
Prerequisite: DAST 111, 112, 113, 115, 116, 118, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program

This course involves performance of basic dental assisting duties as well as expanded duties in an assigned dental office.

DAST 295 Independent Studies in Dental Assisting

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: See enrollment limitations
Enrollment Limitation: Student must be enrolled in the Dental Assisting program.

This is a course for those dental assisting students requesting special projects related to their dental assisting education.

DAST 299 Experimental Offering in Dental Assisting

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Dental Hygiene

The Sacramento City College Dental Hygiene program is accredited by the Commission on Dental Accreditation (https://www.ada.org/en/coda).

For more detailed information related to the program, students should consult the current version of the Dental Hygiene Program Handbook (scc/main/doc/3-Academics/2-Programs-and-Majors/Dental-Hygiene/dental-hygiene-program-manual.pdf).

Degrees Offered

A.S. in Dental Hygiene

Dean Rose Giordano Ph.D.

Phone (916) 558-2357

Email JensenL2@scc.losrios.edu

Associate Degree

A.S. in Dental Hygiene

The Dental Hygiene Program consists of prerequisite courses in addition to dental hygiene courses. Students are required to complete additional general education and graduation requirements to earn an AS degree in Dental Hygiene. The program is accredited by the Commission on Dental Accreditation of the American Dental Association. The Commission is a specialized accrediting body recognized by the United States Department of Education and can be contacted at 211 East Chicago Avenue, Chicago, Illinois 60611. Program graduates are eligible to take the National Board Dental Hygiene Examination, which is administered by the Joint Commission on National Dental Examinations, the California RDH Examination, and other state and regional licensing examinations.

In addition to normal student expenses (tuition, books, etc.), the Dental Hygiene Program requires an expenditure of over $10,000 during the two-year program for uniforms, instruments, and special supplies. More than $8,000 will be needed at the beginning of the first semester. If this creates a financial burden, students should consult the Financial Aid Office for possible assistance one semester before entering the program.

Recommended Preparation
High school and college preparatory courses including algebra, biology, chemistry, and physiology are recommended.

Graduation Requirements:
Additional courses are necessary to meet Graduation Requirements. These may include American Institutions, Ethnic/Multicultural Studies, Humanities, Living Skills, and Competency Requirements.

Students must consult with a counselor to determine their individual educational plan.

A grade of “C” or better in all Dental Hygiene courses is required for progression in the Dental Hygiene program and for recommendation to apply for the Dental Hygiene licensing examination.

The Associate in Science Degree in Dental Hygiene must be obtained for graduation from the program.

Degree Requirements

Course Code	Course Title	Units
Enrollment Eligibility Courses:		
AH 301	Health Care in a Multicultural Society	3[1]
BIOL 430	Anatomy and Physiology	5
BIOL 431	Anatomy and Physiology	5
BIOL 440	General Microbiology	4
[CHEM 305	Introduction to Chemistry (5)	5 - 10
and CHEM 306]	Introduction to Organic and Biological Chemistry (5)	
or CHEM 309	Integrated General, Organic, and Biological Chemistry (5)	
COMM 301	Introduction to Public Speaking (3)	3
or COMM 331	Group Discussion (3)	
or COMM 481	Introduction to Public Speaking - Honors (3)	
DHYG 100	Introduction to Dental Hygiene	0.5
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
or ESLW 340	Advanced Composition (4)	
MATH 120	Intermediate Algebra	5[2]
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
SOC 300	Introductory Sociology (3)	3
or SOC 480	Introductory Sociology - Honors (3)	
First Semester (Fall):		
DHYG 101	Introduction to Clinical Dental Hygiene	6
DHYG 103	Oral Histology and Embryology	1
DHYG 104	Patient Education and Nutrition	2
DHYG 107	Dental Morphology	1.5
DHYG 109	Infection Control and Hazardous Materials	0.5
Second Semester (Spring):		
DHYG 111	Clinical Dental Hygiene I	4
DHYG 112	Periodontics I	2
DHYG 113	Head and Neck Anatomy	2
DHYG 117	Dental Radiology	3
Summer Session :		
DHYG 121	Clinical Dental Hygiene II	2
DHYG 127	Dental Materials	2
DHYG 129	Dental Anesthesia	2
Third Semester (Fall):		

Course Code	Course Title	Units
DHYG 131	Clinical Dental Hygiene III	4.5
DHYG 132	Periodontics II	1
DHYG 134	Community Dental Health	2
DHYG 135	Clinic Seminar	1.5
DHYG 138	Oral Pathology	2
DHYG 139	Pharmacology	2
Fourth Semester (Spring):		
DHYG 141	Clinical Dental Hygiene IV	4.5
DHYG 145	Clinic Seminar II	1
DHYG 149	Ethics, Jurisprudence and Dental Hygiene Practice	2
Total Units:		**91 - 97**

[1]Any course that meets the Ethnic/Multicultural graduation requirement meets this enrollment eligibility criteria.

[2]MATH 120 or higher meets this enrollment eligibility criteria.

The Dental Hygiene Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- a high school diploma or the recognized equivalent, which will permit entrance to a college or university accredited by an agency recognized by the U.S. Department of Education or Council for Higher Education Accreditation.
- enrollment in the Dental Hygiene program is based on satisfactory completion of prerequisite courses with grades of “C” or better and submission of an online application and official transcripts to Admission and Records. Enrollment eligibility courses include:
- BIOL 430 and 431, Anatomy and Physiology; BIOL 440, General Microbiology; CHEM 305 and CHEM 306 or CHEM 309, with a cumulative minimum GPA of 3.0.
- NUTRI 300 or NUTRI 480, Nutrition; PSYC 300 or PSYC 480, General Principles; SOC 300 or SOC 480, Introductory Sociology; COMM 301, 331 or 481, Introduction to Public Speaking; ENGWR 300, ENGWR 488 or ESLW 340, College Composition, Ethnic/ Multicultural graduation requirement (See SCC Graduation Requirements), and DHYG 100, Introduction to Dental Hygiene, with a cumulative minimum GPA of 2.5.
- completion of MATH 120 or higher, with a grade of "C" or better.
- enrollment eligibility courses taken for Credit/No Credit (C/NC) will be calculated into GPAs as a "C" grade.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Applications for enrollment are submitted online. One (1) official transcript supporting completion of prerequisite courses outside of the district must be submitted to Sacramento City College Admissions and Records by the posted due date. Enrollment applications and deadlines are available on the SCC website at https://scc.losrios.edu/academics/programs-and-majors/dental-hygiene
- Completion of the enrollment eligibility requirements places the applicant in the random selection pool. Eligible students who are not selected for program enrollment will be considered alternates. Students that apply consecutive years retain their alternate ranking from their first application year.
- A background check and drug screening will be required of all students upon enrollment.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- use evidence-based care to assess, plan, implement, and evaluate dental hygiene treatment for a diverse population based on their total needs.
- incorporate and apply professional, ethical, legal, and regulatory concepts to oral health care services, community projects, and professional activities.
- integrate and apply health literacy and culturally competent communication skills to oral health care services, academic endeavors, community projects, and professional activities.
- assess, plan, implement, and evaluate community-based oral health projects.
- successfully complete written and clinical examinations for dental hygiene licensure and certification.
- apply critical thinking and self assessment skills to enhance learning, research, patient care, professional growth, and continued competency.

Career Information

This program prepares the student for employment as a dental hygienist. The registered dental hygienist is a licensed, professional, oral health educator, and clinician who works under the direction and supervision of a licensed dentist to provide preventive and therapeutic services for the control of oral diseases. Dental hygienists aid individuals and groups in attaining and maintaining optimum oral and general health through provision of services such as assessment of medical and dental conditions, oral hygiene education, oral prophylaxis - the removal of plaque, calculus, and stains from the teeth - and application of preventive agents such as fluoride and sealants. The dental hygienist may be employed in dental offices, schools, health care facilities, public health agencies, industry, and educational institutions.

Dental Hygiene (DHYG) Courses

DHYG 100 Introduction to Dental Hygiene

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.

This course is an introduction to the practice of Dental Hygiene. Topics include vital signs, dental terminology, infection control, study strategies, and the expectations and concerns of the dental hygiene professional.

DHYG 101 Introduction to Clinical Dental Hygiene

Units: 6
Hours: 36 hours LEC; 216 hours LAB
Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the dental hygiene program and completion of BIOL 430, 431, and 440; CHEM 305 and 306 with grades of "C" or better, and with a cumulative GPA of 3.0 or better; completion of DHYG 100, NUTRI 300 or NUTRI 480, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 480, SOC 300 or SOC 480, Ethnic/ Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.

This course provides an introduction to dental hygiene concepts and procedures. Emphasis is placed on the assessment phase of patient care as well as on the theory and performance of basic dental hygiene instrumentation procedures.

DHYG 103 Oral Histology and Embryology

Units: 1
Hours: 18 hours LEC
Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the dental hygiene program and completion of BIOL 430, 431, and 440; CHEM 305 and 306 with grades of "C" or better, and with a cumulative GPA of 3.0 or better; completion of DHYG 100, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 400, Ethnic/ Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.

Oral Histology and Embryology is the study of microscopic tissues and structures of the teeth, periodontium, and oral cavity as related to the clinical practice of dental hygiene.

DHYG 104 Patient Education and Nutrition

Units: 2
Hours: 36 hours LEC
Prerequisite: See enrollment limitations
Enrollment Limitation: Acceptance into the dental hygiene program and completion of BIOL 430, 431, and 440; CHEM 305 and 306 with grades of "C" or better, and with a cumulative GPA of 3.0 or better; completion of DHYG 100, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 400, Ethnic/ Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.

This course covers the principles and practices of preventing and controlling dental disease with emphasis on nutrition, plaque control, motivation, and chairside patient education.

DHYG 107 Dental Morphology

Units: 1.5
Hours: 18 hours LEC; 27 hours LAB
Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the dental hygiene program and completion of BIOL 430, 431, and 440; CHEM 305 and 306 with grades of "C" or better, and with a cumulative GPA of 3.0 or better; completion of DHYG 100, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 400, Ethnic/ Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.

Dental Morphology is the study of the formation, function, and structure of the teeth, and their supporting structures.

DHYG 109 Infection Control and Hazardous Materials

Units: 0.5
Hours: 9 hours LEC
Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the dental hygiene program and completion of BIOL 430, 431, and 440; CHEM 305 and 306 with grades of "C" or better, and with a cumulative GPA of 3.0 or better; completion of DHYG 100, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 400, Ethnic/ Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.

This course emphasizes the legal and ethical aspects of infectious disease transmission and their prevention. The necessary information to meet Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) requirements for education on infection control and hazardous material management is included.

DHYG 111 Clinical Dental Hygiene I

Units: 4
Hours: 36 hours LEC; 117 hours LAB
Prerequisite: DHYG 103 and 107 with grades of "C" or better

Enrollment Limitation: Enrollment in the dental hygiene program.

This course provides clinical practice of oral prophylaxis through practical applications of procedures learned in DHYG 101. In clinic, students demonstrate various procedures on each other before applying them to patients: children over 5 years old and young adults. Techniques in patient education will be practiced. The lectures include rationale for more difficult traditional dental hygiene skills as students advance from preclinic to DHYG 111 Clinic I. Students are required to complete the minimum number of patients and services required.

DHYG 112 Periodontics I

Units: 2
Hours: 36 hours LEC
Prerequisite: DHYG 101, 103, 104, 107, and 109 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This is a course in periodontics that includes the identification of the normal periodontium and recognition of deviations from normal. It includes the etiology and principles of periodontal disease, examination procedures, treatment, and preventive measures.

DHYG 113 Head and Neck Anatomy

Units: 2
Hours: 36 hours LEC
Prerequisite: DHYG 101, 103, 104, 107, and 109 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This is a course in oral anatomy designed for the study of the head and neck structures or group of structures in relation to their function for the clinical practice of dental hygiene, especially the areas pertaining to local anesthesia.

DHYG 117 Dental Radiology

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DHYG 101, 103, 104, 107, and 109 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course covers the principles of dental radiology. Topics include laboratory experience and clinical application of procedures involved in exposing, processing, interpreting, and evaluating dental radiographs.

DHYG 121 Clinical Dental Hygiene II

Units: 2
Hours: 110 hours LAB
Prerequisite: DHYG 111, 112, 113, and 117 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course provides continued clinical experience in performing oral prophylaxis with wider variety of clinical cases, as well as complete assignments in clinical radiography. Students must complete minimal number of patient treatments and services listed in the syllabus.

DHYG 127 Dental Materials

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: DHYG 111, 112, 113, and 117 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course is a survey of dental materials and techniques and their use. It includes training in radiographic decision making and placement of Interim Therapeutic Restorations (ITR). Instruction of ITR consists of four hours of didactic and four hours of laboratory. Clinical ITR instruction is embedded in DHYG 131 and DHYG 141.

DHYG 129 Dental Anesthesia

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Prerequisite: DHYG 113 and 121 with grades of "C" or better
Enrollment Limitation: Acceptance into the dental hygiene program and completion of BIOL 430, 431, and 440; CHEM 305 and 306 with grades of "C" or better, and with a cumulative GPA of 3.0 or better; completion of DHYG 100, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 480, Ethnic/Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.

Dental Anesthesia covers the science behind local anesthesia with a lab component including oral injections. Anatomical structures of the head and neck and oro-facial variations from normal in a clinical setting are included in the course content. The rationale for this course is to present didactic instruction related to the indications and contraindications of the administration and reversal of local anesthetic agents. Course content will also include head and neck anatomy, physical and psychological evaluation procedures, review of the body systems, theory and psychological aspects of pain and anxiety control, selection of pain control modalities, pharmacological considerations such as action of anesthetics and vasoconstrictors, recovery and post procedure, complications and management of local anesthetic emergencies, armamentarium, techniques for maxillary and mandibular local infiltrations, field blocks and nerve blocks, proper infection control, documentation that meets the standard of care, and medical and legal considerations. Student course evaluation mechanisms are included in didactic instruction prior to preclinical injections. An emphasis will be placed on the administration of local anesthesia. Preclinical injection skills (2 for each injection) will be obtained in preparation for clinical injection requirements in DHYG 131 and DHYG 141. Injections include IO (ASA nerve block), ASA (field block), MSA, PSA, GP, NP (P-ASA), AMSA, IANB (includes lingual), Buccal, mental, incisive, maxillary infiltration (1-16), mandibular infiltration (22-27), and intraseptal.

DHYG 131 Clinical Dental Hygiene III

Units: 4.5
Hours: 252 hours LAB

Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course provides continued clinical experience in the provision of comprehensive dental hygiene services to a wide variety of patients with different medical and dental needs. The course focuses on progressive development of skills in areas of dental hygiene assessment, diagnosis, treatment planning, preventive and therapeutic services, and evaluation and time management. Students must complete the required number of patients for the semester.

DHYG 132 Periodontics II

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course develops clinical skills applicable in the treatment of patients with advanced periodontal disease. The course includes demonstrations and performance of tasks on appropriate laboratory materials. It also includes working with a live patient and with a periodontist in the clinical setting using advanced skills, including administration of local anesthesia and soft tissue curettage. Students will synthesize the results of assessments and design and implement treatment for a periodontally involved patient. Soft Tissue Curettage (STC) includes three hours of didactic and preclinical instruction.

DHYG 134 Community Dental Health

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Hygiene program.

Community Dental Health is the study of the philosophy and background of community dental health with emphasis on program planning, implementation, and evaluation. This course includes practical experience implementing programs in various community settings. Extra time outside the normal school schedule may be required for completion of community projects.

DHYG 135 Clinic Seminar

Units: 1.5
Hours: 27 hours LEC
Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course integrates advanced concepts and skills into the clinical experiences of the third semester dental hygiene student. Emphasis is placed on development and implementation of comprehensive patient treatment plans, identification of resources to support evidence-based patient care, and critical thinking skills. This course introduces topics related to aging and its implication for health care providers. Emphasis is on socioeconomic and psychological aspects of aging, as well as normal age-related physiological changes. An overview of community resources that serve the older populations' health and dental needs is also included. Additionally, the preparation for table clinic presentations in Clinic Seminar II is introduced.

DHYG 138 Oral Pathology

Units: 2
Hours: 36 hours LEC
Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course is the introduction to general pathology with a special emphasis on oral pathology. This course also addresses recognition of the normal and abnormal in the oral cavity.

DHYG 139 Pharmacology

Units: 2
Hours: 36 hours LEC
Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

Pharmacology is the classification and study of drugs according to origin, physical and chemical properties. This course covers the therapeutic effect and values, particularly of drugs utilized in dentistry.

DHYG 141 Clinical Dental Hygiene IV

Units: 4.5
Hours: 252 hours LAB
Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course provides continuing clinical experience in performing oral prophylaxis, oral radiographic surveys, charting cases, and patient education. The clinical experience is related to all aspects of dentistry. Students must complete the minimum number of patients and services listed in the syllabus.

DHYG 145 Clinic Seminar II

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course provides instruction in nitrous oxide-oxygen analgesia and caries detection. Students develop critical thinking skills through the discussion of problems and special interest cases encountered in clinical experience. There will be presentations from outside speakers. Additionally, this course is designed to share and discuss unique and common situations that have occurred in the clinic, develop the skills to identify dental caries, and provide a format for research presentations of dental table clinics. This course provides instruction in the administration of nitrous oxide. This course also presents didactic instruction related to the indications and contraindications of the administration of nitrous oxide-oxygen analgesia agents. Course content also includes head and neck anatomy, physical and psychological evaluation procedures, review of the body systems, theory and psychological aspects of pain and anxiety control, selection of pain control modalities,

pharmacological considerations such as the action of nitrous oxide-oxygen analgesia, recovery and post procedure, complications and management of nitrous oxide-oxygen analgesia emergencies, armamentarium, techniques for nitrous oxide-oxygen analgesia, proper infection control, documentation that meets the standard of care, and medical and legal considerations. Student course evaluation mechanisms are included in didactic instruction prior to preclinical administration of nitrous oxide. Two (2) Preclinical nitrous oxide-oxygen analgesia skills will be obtained in preparation for three (3) clinical competency administrations in DHYG 141. Each clinical competency shall include the performance of a dental hygiene procedure while administering at least 20 minutes of nitrous-oxygen analgesia.

DHYG 149 Ethics, Jurisprudence and Dental Hygiene Practice

Units: 2
Hours: 36 hours LEC
Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.

This course is the study of the fundamental factors necessary to be employed and practice within the ethical and legal framework of the California State Dental Practice Act and the code of ethics of the American Dental Hygienists' Association.

DHYG 295 Independent Studies in Dental Hygiene

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: See enrollment limitations
Enrollment Limitation: Enrollment in the dental hygiene program or a license dental professional obtaining continuing education.

This course is designed to provide a mechanism for current dental hygiene students or licensed professionals to complete independent studies in dental hygiene education. The course is designed to allow for three uses; supplemental dental hygiene clinic time for currently enrolled dental hygiene students, remediation dental hygiene clinic time for currently enrolled dental hygiene students, or continuing education for licensed dental professionals. Continuing education from dental professionals is a mandated training requirement as a condition of continued employment. (Cal. Code Regs., tit. 5, 55041 allowed for repeatability with no limitations).

DHYG 296 National Board Pathway

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Enrollment Limitation: Students enrolled in this course must have an alternate acceptance number for admission into the dental hygiene program.

This course will review and address science National Board Dental Hygiene Exam content and address program policy compliance. Students who have met enrollment eligibility and are on a wait list to start the program may take this course to stay engaged with critical licensure exam content until they are admitted to the program.

DHYG 297 Advanced Topics Seminar

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Enrollment Limitation: Possession of or in the process of obtaining a state license for Dentists, Dental Hygienists, or Dental Assistants

This course offers advanced topics in dental practice as part of a seminar course. Topics include nitrous oxide-oxygen sedation, oral pathology, advanced instrumentation, ergonomics, infection control, and California Dental Practice Act.

DHYG 299 Experimental Offering in Dental Hygiene

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Design and Digital Media

The Design and Digital Media Department (formerly known as Graphic Communication) partners with industry leaders to develop coursework that blends solid theoretical training with digital tools. Faculty members ensure student understanding of the principles of design, typography, color theory, layout, composition, visual message-making, user interface, animation, 3D modeling, and game design while preparing them for real-world employment or transfer to a four-year university or design school. Design and Digital Media has been inspiring creative emergence and developing professional marketability for over four decades.

The program consists of three distinct areas:

- Graphic and Web Design
- Animation and 3D Modeling
- Video Game Design

Courses within these areas focus on specific skills and technical competencies to promote success in the workplace and transfer to four-year colleges and art schools.

The Design and Digital Media department partners with industry leaders to develop coursework that blends solid theoretical training with digital tools.

Degrees and Certificates Offered

A.S. in Design and Digital Media

3D Animation and Modeling Certificate

Design and Digital Media Certificate

Game Design Certificate

Graphic Design Certificate

User Interface and Web Design Certificate

Dean Gary Hartley

Department Chair Patrick Crandley

Phone (916) 375-5513

Email CrandlP@scc.losrios.edu

Associate Degree

A.S. in Design and Digital Media

Design and Digital Media develops coursework in conjunction with Northern California industry leaders. Our courses offer students both current technology and theory in graphic design, digital imaging, digital illustration, and page layout skills for print, web, and other screen-based media, computer animation, 3D modeling, and video game design.

The Design and Digital Media Department partners with industry leaders to develop coursework that blends solid theoretical training with the latest technical tools. Faculty members ensure student engagement with principles of typography, color theory, layout, form, visual message-making, interaction, motion, animation, and game design while preparing students for real-world employment or transfer to a four-year institution. Design and Digital Media has been inspiring creative emergence and developing professional marketability for four decades.

Recommended High School Preparation: Students should complete courses in one or more of the following: art, design, computer skills, photography, journalism, and creative writing.

Degree Requirements

Course Code	Course Title	Units
A minimum of 30 units from the following:		30
ANIM 301	Animation I (3)	
ANIM 302	Animation II (3)	
ANIM 303	Animation III (3)	
ANIM 307	Motion Graphics I (3)	
ANIM 495	Independent Studies in Animation (1 - 3)	
DDSN 301	Graphic Design I (3)	
DDSN 302	Graphic Design II (3)	
DDSN 303	Typography I (3)	
DDSN 305	History of Graphic Design (3)	
DDSN 311	Digital Layout I (3)	
DDSN 312	Digital Layout II (3)	
DDSN 321	Print and Multimedia Publication Design I (3)	
DDSN 322	Print and Multimedia Publication Design II (3)	
DDSN 323	Print and Multimedia Publication Design III (3)	
DDSN 331	Digital Imaging I (3)	
DDSN 332	Digital Imaging II (3)	
DDSN 333	Digital Imaging III (3)	
DDSN 335	Digital Imaging - Special Techniques (1.5)	
DDSN 341	Digital Illustration for Graphic Design I (3)	
DDSN 342	Digital Illustration for Graphic Design II (3)	
DDSN 360	User Interface Design (3)	
DDSN 361	Web Design I (3)	
DDSN 362	Web Design II (3)	
DDSN 370	Visual Content For Social Media (3)	
DDSN 390	Professional Practice and Portfolio (3)	
DDSN 391	Design Studio I (3)	
DDSN 392	Design Studio II (3)	
DDSN 393	Design Studio III (3)	
DDSN 495	Independent Studies in Digital Design (1 - 3)	
GAME 301	Video Game Design (3)	
GAME 303	Video Game Level Design (3)	
GAME 495	Independent Studies in Game Design (1 - 3)	
MODL 301	3D Modeling I (3)	
MODL 302	3D Modeling II (3)	
MODL 495	Independent Studies in 3D Modeling (1 - 3)	
Total Units:		**30**

The Design and Digital Media Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate a comprehensive understanding and application of design theory and processes for creating original work.
- evaluate design opportunities, explore visual responses, and introduce and explain final results of the discovery process to an audience.
- determine the appropriate tool to solve a visual communication need.
- apply appropriate type, color, form, and imagery to a visual project.
- plan, design, and produce a multi-paged, multifaceted project in one or more of these mediums: print, Web, interactive, 3D, animation, or video game.
- communicate with current and appropriate design industry vocabulary.
- utilize design as a tool of engagement in issues of sustainability, social responsibility, economic equality, and cultural understanding.

Career Information

Career Opportunities may be found in graphic design studios, publications, animation studios, video game design studios, in-house agencies, and self-employment or freelance work.

Certificates of Achievement

3D Animation and Modeling Certificate

This program introduces students to the 3D animation and computer modeling industry. Through lectures and hands-on assignments, students will master real-world production techniques in both animation and 3D modeling. Rendering, compositing, and camera tracking are also covered.

Certificate Requirements

Course Code	Course Title	Units
ANIM 301	Animation I	3
ANIM 302	Animation II	3
ANIM 303	Animation III	3
MODL 301	3D Modeling I	3
Total Units:		**12**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of the animation production process.
- recognize and articulate the principles of animation.
- create effective storyboards for use in the animation process.
- design and create a 3D character model.
- create and manipulate a wireframe mesh using a variety of tools.
- work with surfaces, including procedural textures and texture maps.
- demonstrate an understanding of the 3D rendering process.

Career Information

Upon completion of this program, students will have mastered the necessary skills to complete short animated films and commercial projects for the television, film, biomedical, architectural visualization, legal visualization, product design, and video game industries.

Design and Digital Media Certificate

Design and Digital Media develops coursework in conjunction with Northern California industry leaders. Our courses offer students both current technology and theory in graphic design, digital imaging, digital illustration, and page layout skills for print, web, and other screen-based media, computer animation, 3D modeling, and video game design.

The Design and Digital Media Department partners with industry leaders to develop coursework that blends solid theoretical training with the latest technical tools. Faculty members ensure student engagement with principles of typography, color theory, layout, form, visual message-making, interaction, motion, animation, and game design while preparing students for real-world employment or transfer to a four-year institution. Design and Digital Media has been inspiring creative emergence and developing professional marketability for over four decades.

Recommended High School Preparation: Students should complete courses in one or more of the following: art, design, computer skills, photography, journalism, and creative writing.

Certificate Requirements

Course Code	Course Title	Units
A minimum of 30 units from the following:		30
ANIM 301	Animation I (3)	
ANIM 302	Animation II (3)	
ANIM 303	Animation III (3)	
ANIM 307	Motion Graphics I (3)	
ANIM 495	Independent Studies in Animation (1 - 3)	
DDSN 301	Graphic Design I (3)	
DDSN 302	Graphic Design II (3)	
DDSN 303	Typography I (3)	
DDSN 305	History of Graphic Design (3)	
DDSN 311	Digital Layout I (3)	
DDSN 312	Digital Layout II (3)	
DDSN 321	Print and Multimedia Publication Design I (3)	
DDSN 322	Print and Multimedia Publication Design II (3)	
DDSN 323	Print and Multimedia Publication Design III (3)	
DDSN 331	Digital Imaging I (3)	
DDSN 332	Digital Imaging II (3)	

Course Code	Course Title	Units
DDSN 333	Digital Imaging III (3)	
DDSN 335	Digital Imaging - Special Techniques (1.5)	
DDSN 341	Digital Illustration for Graphic Design I (3)	
DDSN 342	Digital Illustration for Graphic Design II (3)	
DDSN 360	User Interface Design (3)	
DDSN 361	Web Design I (3)	
DDSN 362	Web Design II (3)	
DDSN 370	Visual Content For Social Media (3)	
DDSN 390	Professional Practice and Portfolio (3)	
DDSN 391	Design Studio I (3)	
DDSN 392	Design Studio II (3)	
DDSN 393	Design Studio III (3)	
DDSN 495	Independent Studies in Digital Design (1 - 3)	
GAME 301	Video Game Design (3)	
GAME 303	Video Game Level Design (3)	
GAME 495	Independent Studies in Game Design (1 - 3)	
MODL 301	3D Modeling I (3)	
MODL 302	3D Modeling II (3)	
MODL 495	Independent Studies in 3D Modeling (1 - 3)	
Total Units:		**30**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate a comprehensive understanding and application of design theory and processes for creating original work.
- evaluate design opportunities, explore visual responses, and introduce and explain final results of the discovery process to an audience.
- determine the appropriate tool to solve a visual communication need.
- apply appropriate type, color, form, and imagery to a visual project.
- plan, design, and produce a multi-paged, multifaceted project in one or more of these mediums: print, Web, interactive, 3D, animation, or video game.
- communicate with current and appropriate design industry vocabulary.
- utilize design as a tool of engagement in issues of sustainability, social responsibility, economic equality, and cultural understanding.

Career Information

Career Opportunities may be found in graphic design studios, publications, animation studios, video game design studios, in-house agencies, and self-employment or freelance work.

Game Design Certificate

In this program, students will study the art, technology, science, and design principles for the creation and development of video games. This program covers video game history, game theory, design of computer-based games, delivery systems, development cycles, case studies, ethical and social issues, emerging technologies, industry trends, and the development of 3D art assets. This program emphasizes the understanding and the interdisciplinary nature of video game design, production, and delivery. This program does not include computer programming topics.

Certificate Requirements

Course Code	Course Title	Units
ANIM 301	Animation I	3
ANIM 302	Animation II	3
DDSN 331	Digital Imaging I	3
GAME 301	Video Game Design	3
GAME 303	Video Game Level Design	3
MODL 301	3D Modeling I	3
MODL 302	3D Modeling II	3
Total Units:		**21**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- exhibit an understanding of the game design process.
- communicate an understanding of game structure and elements.
- identify the various roles in a professional game development environment.
- build a working game prototype.
- create 3D art assets for video games.
- optimize 3D art assets to run correctly in a real-time game engine.

Career Information

Students who successfully complete this program and continue their education in four year programs will be prepared for entry level positions in the video game industry.

Graphic Design Certificate

This program offers students a comprehensive study of graphic design for print and/or web medium using current technologies. The curriculum encompasses the full spectrum of design theory, process, tools, and techniques that students will need to be successful in the graphic design industry. Students will also experience working with clients and preparing final project files and materials for printing or distribution. Students who complete this certificate will be able to produce a variety of print and/or web design projects and possess a professional portfolio of their work.

Certificate Requirements

Course Code	Course Title	Units
DDSN 301	Graphic Design I	3
DDSN 311	Digital Layout I	3
DDSN 331	Digital Imaging I	3
DDSN 341	Digital Illustration for Graphic Design I	3

Course Code	Course Title	Units
DDSN 360	User Interface Design	3
DDSN 390	Professional Practice and Portfolio	3
A minimum of 6 units from the following:		6
DDSN 302	Graphic Design II (3)	
DDSN 303	Typography I (3)	
DDSN 305	History of Graphic Design (3)	
DDSN 312	Digital Layout II (3)	
DDSN 332	Digital Imaging II (3)	
DDSN 333	Digital Imaging III (3)	
DDSN 342	Digital Illustration for Graphic Design II (3)	
DDSN 391	Design Studio I (3)	
DDSN 392	Design Studio II (3)	
DDSN 393	Design Studio III (3)	
Total Units:		**24**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate a comprehensive understanding and application of design theory and processes for creating original print and Web projects.
- evaluate design opportunities, explore visual responses, and introduce and explain final results to an audience.
- determine the appropriate tool to solve a visual communication need.
- apply appropriate type, color, form, and imagery to a visual project.
- plan, design, and produce a multi-paged, multifaceted project for print and/or Web.
- communicate with the current and appropriate design industry vocabulary.
- utilize design as a tool of engagement in issues of sustainability, social responsibility, economic equality, and cultural understanding.

Career Information

Career Opportunities may be found in graphic design studios, publications, animation studios, in-house agencies, and self-employment or freelance work. This certificate will also prepare students for studies that may lead to transfer to four-year institutions, such as the design program at CSU, Sacramento, where a mastery of technology skills is required for entry.

User Interface and Web Design Certificate

This program provides a foundation of Web, user interface and user experience design, and development skills for students interested in careers as user interface designers for Web and mobile applications. The students completing this program will acquire tangible skills needed for planning, creating developing, and maintaining websites and user interfaces for small to medium businesses. Students will be presented with various Web technologies, processes, and techniques, which will provide well-rounded skills for increasing their employment and freelancing potential.

Certificate Requirements

Course Code	Course Title	Units
CISW 306	Introduction to Web Page Creation and Web Accessibility	2
CISW 327	Introduction to Web Development coding HTML and CSS	4
DDSN 301	Graphic Design I (3)	3
or DDSN 311	Digital Layout I (3)	
DDSN 331	Digital Imaging I	3
DDSN 360	User Interface Design	3
DDSN 361	Web Design I	3
DDSN 362	Web Design II	3
DDSN 390	Professional Practice and Portfolio	3
DDSN 391	Design Studio I	3
Total Units:		**27**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- employ the applications, languages, and processes necessary for publishing interactive, standards compliant, accessible websites and user interfaces.
- understand and utilize user-centered graphic design principles and how to apply them to meet the needs of a user interface project.
- design and develop websites individually and as a member of a team demonstrating effective processes for information architecture and navigation, content creation, and user interface and user experience design.
- manage a design project and utilize the communication skills necessary to function productively in interdisciplinary teams and organizational structures.
- use of an industry-standard content management system to develop and maintain a user-centered, responsive website.
- communicate the ethical and legal issues associated with creating websites.
- create a web-based portfolio of work and apply professional strategies to develop a successful career in user interface design, gain freelance clients, and manage projects.

Career Information

Career Opportunities include employment at Web design studios, graphic design studios, in-house design teams, or self-employment.

3D Modeling (MODL) Courses

MODL 295 Independent Studies in 3D Modeling

Units: 1 - 3

Hours: 54 - 162 hours LAB
Prerequisite: None.

This course allows students to have a learning experience in one or more of the areas of 3D Modeling that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member.

MODL 299 Experimental Offering in 3D Modeling

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

MODL 301 3D Modeling I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ANIM 301 (formerly GCOM 400) and ART 304 with grades of “C” or better
Transferable: CSU

This course introduces the student to 3D modeling and character rigging using industry standard 3D modeling software. Through exercises and hands on projects, students explore concepts, principles, and techniques in 3D modeling and character rigging. Formerly known as GCOM 402

MODL 302 3D Modeling II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MODL 301 (formerly GCOM 402) with a grade of "C" or better, or equivalent
Transferable: CSU

In this course, students will explore the production of video game graphics. The course follows the role of the video game artist through the game development process. Using industry standard graphic software, students will develop and refine three-dimensional video game assets. Topics covered include concept art, understanding and developing game assets, and troubleshooting. The artistic side of video game design will be emphasized; this course is not a computer programming course. Formerly known as GCOM 424

MODL 495 Independent Studies in 3D Modeling

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course allows students to have a learning experience in one or more of the areas of 3D Modeling that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC camps. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

MODL 499 Experimental Offering in 3D Modeling

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Animation (ANIM) Courses

ANIM 295 Independent Studies in Animation

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course allows students to have a learning experience in one or more of the areas of animation that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member.

ANIM 299 Experimental Offering in Animation

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ANIM 301 Animation I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ART 300 or ART 304 with a grade of “C” or better or equivalent.
Transferable: CSU

This course introduces students to the animation industry: a historical perspective, industry overview, and the principles and theory that guide animation. The principles of animation are emphasized through lecture and the use of 2D drawing tools. Students learn the animation production process and industry trends. Students work on hands-on projects creating 2D animations.

Formerly known as GCOM 400

ANIM 302 Animation II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ANIM 301 (formerly GCOM 400) with a grade of "C" or better, or equivalent
Advisory: ART 304 with a grade of “C” or better.
Transferable: CSU

Students are introduced to the creation of 3D animation using the personal computer. The principles of animation and the use

of 3D animation tools are emphasized through lecture and hands-on projects. Students experience the animation production process and are exposed to industry trends. Students work on projects creating 3D animations, animatics, and short films. Formerly known as GCOM 401.

ANIM 303 Animation III

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ANIM 302 (formerly GCOM 401) or MODL 301 (formerly GCOM 402) with a grade of "C" or better, or equivalent
Advisory: ANIM 301 (formerly GCOM 400), ART 304, and TAFILM 330 with grades of "C" or better
Transferable: CSU

This course consists of a hands-on study of the challenging subject of computer animation. Areas of focus include advanced 3D modeling, rigging, and character animation using industry standard software, as well as the synchronization of voice, sound effects, and music. Students will explore advanced techniques in camera tracking, photo realistic rendering, compositing, and video publication. The animation production process and principles of animation will be reinforced throughout this course.

Formerly known as GCOM 410

ANIM 307 Motion Graphics I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course introduces the student to creating and animating 2D motion graphics using industry-standard applications. Students will explore the tools and techniques needed to produce motion graphics and animations for television, film, and the web. Topics will include a basic overview of motion design principles, 2D animation practices, audio integration, advanced video effects, and the technical challenges of working with video and film materials. Formerly known as GCOM 390

ANIM 495 Independent Studies in Animation

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course allows students to have a learning experience in one or more of the areas of animation that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member.

UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC camps. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ANIM 499 Experimental Offering in Animation

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Digital Design (DDSN) Courses

DDSN 295 Independent Studies in Digital Design

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course allows students to have a learning experience in one or more of the areas of graphic design, Web design, and user interface/user experience design, that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member. Formerly known as GCOM 295

DDSN 299 Experimental Offering in Digital Design

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

DDSN 301 Graphic Design I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: DDSN 311 (formerly GCOM 313) or DDSN 341 (formerly GCOM 340) with a grade of "C" or better, or equivalent
Transferable: CSU

This course prepares students pursuing a career in the graphic communication fields with an in-depth exploration of the principles of graphic design. Strong emphasis is given to the development of visual acumen. Specific focus will be on design and gestalt principles; integration of text and image on the two-dimensional page; and introduction to typographic exploration. This course is a foundation course for all design students and explores interactivity across all forms of visual communication. This course is relevant to students studying graphic design, Web design, and computer animation. Formerly known as GCOM 343

DDSN 302 Graphic Design II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 301 (formerly GCOM 343) with a grade of "C" or better, or equivalent
Transferable: CSU

This is an in-depth graphic design course focusing on explorations in page layout design, image creation, and design research. Students will use both digital and hand construction techniques to design projects containing "real world" and experimental challenges. Students will develop and follow graphic design processes, resulting in several new portfolio pieces. Topics include branding, experimental image creation, multi-page publication design, book binding, constructive critique, sustainable design, and proper planning for a graphic design project. Formerly known as GCOM 345

DDSN 303 Typography I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 311 (formerly GCOM 313) or DDSN 341 (formerly GCOM 340) with a grade of "C" or better, or equivalent
Transferable: CSU

Typography is the most essential ingredient for successful graphic design, including print, web, and all other new media. This introductory course serves as an essential primer for graphic designers in understanding the history and core principles of typography. Formerly known as GCOM 347

DDSN 305 History of Graphic Design

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: CSU Area C1; IGETC Area 3A

This course surveys the history of visual communication, design's sociopolitical and cultural contexts, and the artistic and technological characteristics of various movements. Students gain a broad understanding of design and its dynamic past to discover inspiration for the present. Students conduct research, propose, and create a project inspired by the designers and movements studied. Formerly known as GCOM 305

DDSN 311 Digital Layout I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course is an introduction to graphic design principles related to page layout, composition, and electronic publishing, utilizing an industry-standard software. Students will discover how to effectively utilize the software, the design process, and critical thinking skills to create print projects such as brochures, publications, advertising, business systems, and a variety of other digital materials that follow basic layout and design principles. Formerly known as GCOM 313

DDSN 312 Digital Layout II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 311 (formerly GCOM 313) with a grade of "C" or better, or equivalent
Transferable: CSU

This is an in-depth course covering advanced creative layout, production, and electronic publishing in the graphic design industry. Utilizing industry-standard software and process, students will conceive and produce dynamic portfolio-quality projects. Topics include brand and identity design, interactive accessible form design, typography, grid, color theory, composition, multipage publication design, brochure and packaging layout, Gestalt principles, basic interactive media design, print and digital book and publication design, and working with clients. Formerly known as GCOM 314

DDSN 321 Print and Multimedia Publication Design I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 311 (formerly GCOM 313) with a grade of "C" or better, or equivalent
Transferable: CSU

This course introduces beginning level newspaper, magazine, Web, and multimedia publication design. Students will learn how to design and produce the award-winning Sacramento City College school newspaper, the bi-annual student magazine, and their accompanying websites and multi-media content. Using fundamental design concepts and theory involving grid, page layout, typography, and visual communication, students will work alongside journalism, photography, and intermediate- and advanced-level design students to produce a variety of content. This course offers an opportunity to build a portfolio and gain experience while working on real-world projects. Formerly known as GCOM 319

DDSN 322 Print and Multimedia Publication Design II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 321 (formerly GCOM 319) with a grade of "C" or better, or equivalent
Transferable: CSU

This course examines intermediate-level newspaper, magazine, Web, and multimedia publication design. Students are responsible for the design and production of the award-winning Sacramento City College school newspaper, the bi-annual student magazine, and their accompanying websites and multi-media content. Using fundamental design concepts and theory involving grids, page layout, typography, and visual communication, students will work alongside journalism and photography students and beginning- and advanced-level design students to plan and produce a variety of content. This course offers an opportunity to build a portfolio and gain experience while working on real-world projects. Formerly known as GCOM 320

DDSN 323 Print and Multimedia Publication Design III

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 322 (formerly GCOM 320) with a grade of "C" or better, or equivalent
Transferable: CSU

This course examines advanced level newspaper, magazine, Web, and multimedia publication design. Students are

responsible for the planning, art direction, and production management of the award-winning Sacramento City College school newspaper, the bi-annual student magazine, and their accompanying websites and multi-media content. Using fundamental design concepts and theory involving grids, page layout, typography, and visual communication, students will work alongside student editors and beginning- and intermediate-level design students to plan and produce a variety of publication content. This course offers an opportunity to build a portfolio and gain experience while working on real-world projects. Formerly known as GCOM 321

DDSN 331 Digital Imaging I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC (Approved for 2nd round submissions.)

This introductory course covers the core concepts associated with digital imaging. Adobe Photoshop is used for creating, manipulating, and enhancing digital images for print and screen-based media. Students learn how to effectively use this software in a graphic design environment, planning and carrying out professional digital imaging projects. This course introduces both basic visual design concepts and a comprehensive understanding of digital workflow, providing the student with a foundation for print, web, interactive, animation, and game design projects. Formerly known as GCOM 330

DDSN 332 Digital Imaging II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 331 (formerly GCOM 330) with a grade of "C" or better or equivalent
Transferable: CSU

This course centers on graphic design process and production employing advanced image editing techniques using the current version of industry-standard software. In addition to learning advanced capabilities, students will learn how to alter existing images realistically, creatively apply techniques to original artwork and images, visually communicate ideas and messages successfully, and prepare and present their projects to meet professional industry standards. Formerly known as GCOM 331

DDSN 333 Digital Imaging III

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 331 (formerly GCOM 330) with a grade of "C" or better, or equivalent
Transferable: CSU

This course centers on advanced digital imaging and image editing techniques for Internet, user interface, 3D, and video applications, using the current version of industry-standard software. Students will learn advanced capabilities such as how to alter existing images realistically, creatively apply techniques to original artwork and images, prepare static and animated graphics for use in a variety of digital media, import and alter 3D and video images, visually communicate ideas and messages successfully, and prepare and present their projects to meet professional industry standards. Formerly known as GCOM 332

DDSN 335 Digital Imaging - Special Techniques

Units: 1.5
Hours: 18 hours LEC; 27 hours LAB
Prerequisite: DDSN 331 (formerly GCOM 330) with a grade of "C" or better, or equivalent

Students will learn how to use industry-standard digital imaging techniques in the process of creating artistic pieces and a final design project. Through lecture and hands-on exercises, students will learn to create and edit digital image types for any digital, creative, or visual situation. Topics include the use of channels, layers, brushes, filters, typography, color, gradients, and adjustments. Emphasis is placed on gaining creative control over every step in the creative process as well as efficient practices in handling the program. The techniques covered in this course can be applied to various digital media output methods including print design, Web design, 3D animation, and digital video. Formerly known as GCOM 105

DDSN 341 Digital Illustration for Graphic Design I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU
C-ID: C-ID ARTS 250

This is an introductory course engaging students in theories of form making, design research, composition, and typography using the medium of digital illustration. Course projects encourage students to experiment, work within creative and technical limitations, and communicate visually. Additionally, students learn how digital illustrations are created, are exposed to a variety of different illustration styles, practice contemporary design methods and thinking, and study a designers' use of digital illustration as a communication tool. This course offers students several processes for designing original graphics and illustrations for graphic design. Formerly known as GCOM 340

DDSN 342 Digital Illustration for Graphic Design II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 341 (formerly GCOM 340) with a grade of "C" or better, or equivalent
Advisory: ART 300 with a grade of "C" or better
Transferable: CSU

This course builds upon the thinking and making skills developed in DDSN 341 (formerly GCOM 340) and takes an in-depth look at applying digital illustration tools to graphic design investigations. The course work encourages students to experiment and communicate with digitally illustrated and typographic form making. Topics include color, typography, composition, visual theme, drawing technique, and understanding the offset and digital printing processes. Students complete the course with several professionally designed, original illustrations for their portfolios. Formerly known as GCOM 341

DDSN 360 User Interface Design

Units: 3

Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course introduces the fundamentals and principles of contemporary user interface and website design, and the current process and technologies used. The course will provide students with the basics of Web literacy, site and interaction development, information architecture, accessibility, user experience and usability testing, wireframes, prototypes, visual design principles, and process. Students will also create a content management system-based website. Formerly known as GCOM 360

DDSN 361 Web Design I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 360 (formerly GCOM 360) with a grade of "C" or better, or equivalent
Transferable: CSU

Students will explore theory and processes involved in designing various types of websites using an industry-standard CMS (content management system). Through a series of incremental lectures, reading, and assignments, students will explore theory and processes involved in online communications and integration of online tools, culminating in the development of a live / functional website. This course provides an overview of HTML and CSS, usability (UI/UX), project and client management, preparing images for screens, marketing via social media, prototyping, and responsive design. Students will be required to have or purchase web hosting and a domain name ($50-$75). Formerly known as GCOM 361

DDSN 362 Web Design II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 361 (formerly GCOM 361) with a grade of "C" or better, and CISW 306 with a grade of "C" or better, or proof of equivalent experience using HTML and CSS
Transferable: CSU

In this course, career-minded students will explore advanced concepts of website communications, applying user-centered design principles to improve interactive features. Using an industry-standard CMS (content management system), students will learn to add extensions to the core features, advanced theme customization with CSS, child themes, and customized functions and layouts. Students will improve interaction with users through social media and email marketing, eCommerce, advanced forms and surveys, targeted SEO, and event calendars. Students who complete this course will have the ability to create and manage complex website systems and tools. Students will be required to have or purchase Web hosting and a domain name ($50-$75). Formerly known as GCOM 362

DDSN 370 Visual Content For Social Media

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course introduces students to visual content creation for social media using specialized mobile apps on smart phones and tablets. Students will learn to create photos and illustrations, edit static and motion graphics, and produce and publish marketing content for websites, social networking sites, and other online media. Basic visual concepts are introduced and utilized to create professional imagery, design projects, and visual storytelling using mobile device techniques and tools. Students must have their own mobile device (smart phone or tablet) and access to an online app store.

DDSN 390 Professional Practice and Portfolio

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: Prior to taking this course, a student will need to have produced at least five finished works to use in the creation of their portfolio.
Transferable: CSU

This course prepares students pursuing occupations in digital media arts and related technologies, including graphic design and communication, web design, user interface design, 3D animation and modeling, and game design, with a portfolio of work, career skills, and knowledge of industry practices essential to these fields. Topics include: organization and physical preparation of a portfolio of work, applying to a four-year college or design program, job and internship searches, soliciting and performing freelance work, setting up a studio, working in an existing firm, developing client relationships, self-promotion, and other resources. Using a combination of lectures and guests from the industry, this course will offer practical advice and philosophical guidance toward gaining a rewarding career in the many digital media and design fields. Formerly known as GCOM 349

DDSN 391 Design Studio I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: One course from the following: ANIM 301, DDSN 311, DDSN 331, DDSN 341, DDSN 360, DDSN 361, MODL 301 (formerly GCOM 400, GCOM 313, GCOM 330, GCOM 340, GCOM 360, GCOM 361, GCOM 402) with grades of “C” or better or equivalent
Transferable: CSU

Design Studio I immerses career-driven students in a design business environment with real clients, deadlines, and roles. The studio works for non-profit organizations, the Sacramento community, and other businesses designing projects and campaigns. Projects include graphic design, Web design, and animation. Through client meetings, small group brainstorming, lecture, and demonstration, students will have the opportunity to develop a portfolio of completed projects and campaigns. Students will learn to write a client proposal, to interview a client, to experience the client-designer relationship, to set pricing for projects, and to present design work to a team and client. Formerly known as GCOM 490.

DDSN 392 Design Studio II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 391 (formerly GCOM 490) with a grade of "C" or better
Transferable: CSU

Design Studio II introduces intermediate-level skills to career-driven design students. Through lecture, demonstration, client meetings, and group brainstorming sessions, students will have the opportunity to develop a portfolio of completed projects. Students will also experience deadlines, the client-designer relationship, setting prices for projects, and how to present concepts and design work to a team and client. Formerly known as GCOM 491

DDSN 393 Design Studio III

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: DDSN 392 (formerly GCOM 491) with a grade of "C" or better
Transferable: CSU

Design Studio III introduces advanced-level skills to career-driven design students. Through lecture, demonstration, client meetings, and group brainstorming sessions, students will have the opportunity to develop a portfolio of completed projects. Students will also experience deadlines, the client-designer relationship, how setting prices for projects, and how to present concepts and design work to a team and client. Formerly known as GCOM 493

DDSN 495 Independent Studies in Digital Design

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Digital Design offers students a chance to do research and/or experimentation in the areas of graphic design, Web design, and/or user interface/user experience design, that is more typical of advanced studies in this program, studying under the advisement of a Design and Digital Media faculty member. Formerly known as GCOM 495

DDSN 499 Experimental Offering in Digital Design

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Game Design (GAME) Courses

GAME 295 Independent Studies in Game Design

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course allows students to have a learning experience in one or more of the areas of Game Design that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member.

GAME 299 Experimental Offering in Game Design

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

GAME 301 Video Game Design

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This introductory course to video game design studies the art, technology, and science involved in the creation and development of computer games. The course covers video game history, game theory, design of computer-based games, delivery systems, development cycle, case studies, ethical and social issues, and emerging technologies and trends. This course emphasizes the understanding and the interdisciplinary nature of video game design; this course is not a computer programming course. Formerly known as GCOM 420

GAME 303 Video Game Level Design

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: GAME 301 with a grade of "C" or better; MODL 302 (formerly GCOM 424) with a grade of "C" or better, or equivalent
Transferable: CSU

In this course, students will explore the art of video game level design. The course follows the level designer through the game development process. Using industry standard software, students will develop and refine a three-dimensional video game level. Topics covered include theme, audience, mood, player challenges, level narrative, puzzle design, diagram design, template creation, play-testing, and troubleshooting. The artistic aspects of game design will be emphasized; this course is not a computer programming course. Formerly known as GCOM 426

GAME 495 Independent Studies in Game Design

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course allows students to have a learning experience in one or more of the areas of game design that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC camps. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

GAME 499 Experimental Offering in Game Design

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Early Childhood Education

Current research on early care and education has emphasized the importance of formal education and specialized coursework combined with supervised field experience in the development of teachers who are able to provide high quality educational experiences for children.

The Early Childhood Education Program at Sacramento City College has three major responsibilities: academic preparation, workforce development and leadership. We provide students with:

1. academic courses based on child development theory and best practices in early care and education.
2. courses that orient them to the field of early care and education.
3. the opportunity to develop the knowledge, skills and abilities to be successful in the workforce.

The Early Childhood Education and Child Development faculty engage in leadership through collaboration with educational, community, industry, state and federal partners.

Degrees and Certificates Offered

A.S.-T. in Early Childhood Education

A.A. in Child Development with ECE Emphasis

A.A. in Early Childhood Education Administration

A.A. in Early Childhood Education Teacher

Family Child Care Certificate

Infant Care and Education Teacher Certificate

School-Age Care and Education Teacher Certificate

Dean Dennis Lee

Department Chair Amy Strimling

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.S.-T. in Early Childhood Education

The Associate in Science in Early Childhood Education for Transfer is designed to provide a clearly articulated curricular track for Sacramento City College students preparing to transfer in Child Development or Early Childhood Education while also serving the diverse needs of students interested in the breadth and depth of the field. Additionally, this program will expose students to the core principles and practices of the field in order to build a foundation for their future personal, academic, or vocational paths. In addition to transfer, this foundation would be appropriate for students working in early care and development programs.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
1st Semester:		
ECE 300	Introduction to Principles and Practices in Early Childhood Education	3
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
2nd Semester:		
ECE 320	Curriculum and Interactions in Early Childhood Education	4
ECE 415	Children's Health, Safety and Nutrition	3
3rd semester:		
ECE 321	Advanced Practicum in Early Childhood Education	4
ECE 326	Making Learning Visible Through Observation and Documentation	3
4th semester:		
ECE 430	Culture and Diversity in Early Childhood Education	3
Total Units:		**26**

The Associate in Science in Early Childhood Education for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- students should be aware they will need to show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to volunteering or being employed to work with children.
- have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation prior to employment. Exemptions are

granted by the Department of Social Services and the Commission on Teacher Credentialing on an individual basis.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- students should meet with the Early Childhood Education Coordinator prior to declaring this major.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate foundational knowledge of child development and the socializing factors in children's lives.
- model appropriate interactions with children in an early care and education setting with the guidance and support of more experienced staff.
- integrate knowledge of the theories of high quality appropriate care and education of young children into their coursework and teaching interactions with young children.

Career Information

The Associate in Science in Early Childhood Education for Transfer is designed for transfer to a California State University. Students completing the degree would be prepared to work as teachers in an early care and education program.

Associate Degrees

A.A. in Child Development with ECE Emphasis

This program provides preparation for employment in early care and education settings and for further study in child development. The coursework includes foundational courses in the field including the areas of typical and atypical development, the ecology of childhood, culture, and developmentally appropriate practices. This degree was designed in collaboration with the Child Development faculty of California State University Sacramento to provide a foundation for transfer into the Child Development program at CSUS for students specializing in Early Childhood Education. Students are advised to meet with the Early Childhood Education Coordinator during the development of their education plan to learn about the requirements of the California Commission on Teacher Credentialing and the Child Development Permit process as well as the opportunities to transfer into the California State University Sacramento Child Development Department with an emphasis in Early Childhood Education.

Degree Requirements

Course Code	Course Title	Units
ECE 300	Introduction to Principles and Practices in Early Childhood Education	3
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 320	Curriculum and Interactions in Early Childhood Education	4
ECE 321	Advanced Practicum in Early Childhood Education	4
ECE 400	Children with Exceptional Needs (3)	3
or ECE 402	Infants with Atypical Development (3)	
ECE 430	Culture and Diversity in Early Childhood Education	3
A minimum of 9 units from the following:		9
ECE 322	Promoting Children's Social Competence (3)	
ECE 326	Making Learning Visible Through Observation and Documentation (3)	
ECE 330	Infant and Toddler Development (3)	
ECE 342	Constructive Math and Science in Early Childhood Education (3)	
ECE 343	Language and Literacy Development in Early Childhood (3)	
ECE 350	Introduction to Elementary Teaching with Field Experience (3)	
ECE 360	Art and Music in Early Childhood (3)	
ECE 415	Children's Health, Safety and Nutrition (3)	
Total Units:		**32**

The Child Development with ECE Emphasis Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- students should be aware they will need to show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to volunteering or being employed to work with children.
- have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation prior to employment. Exemptions are granted by the Department of Social Services and the Commission on Teacher Credentialing on an individual basis.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- provide service in the care, development, and education of culturally and linguistically diverse children in early care and education settings.
- demonstrate knowledge of typical and atypical development of children and the many factors influencing development.

- compare and contrast developmentally appropriate educational practices with those that are inappropriate.
- evaluate and assess research, curriculum, program practices, developmental assessments, and other issues in the field of child development and early childhood education.

Career Information

Students receiving an A.A. degree in Child Development are eligible for employment in the diverse early care and education field. Students who successfully complete this program may serve as educators in classrooms or as employees in other settings that require knowledge of child development and best practices in early care and education. This degree prepares students for further study in child development by offering foundational theoretical courses.

A.A. in Early Childhood Education Administration

The Early Childhood Education Administration A.A. Degree provides preparation for employment in early care and education settings in an administrative position. The program meets the educational requirements for directors in private early care and education settings licensed by the California State Department of Social Services. Experience working in early care and education is usually required for administrative positions.

Degree Requirements

Course Code	Course Title	Units
ECE 300	Introduction to Principles and Practices in Early Childhood Education	3
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 320	Curriculum and Interactions in Early Childhood Education	4
ECE 321	Advanced Practicum in Early Childhood Education	4
ECE 322	Promoting Children's Social Competence	3
ECE 400	Children with Exceptional Needs (3)	3
or ECE 402	Infants with Atypical Development (3)	
ECE 415	Children's Health, Safety and Nutrition	3
ECE 420	Administration I: Programs in Early Childhood Education	3
ECE 422	Administration II: Personnel and Leadership in Early Childhood Education	3
ECE 424	Adult Supervision: Mentoring in a Collaborative Learning Setting	2
ECE 430	Culture and Diversity in Early Childhood Education	3
A minimum of 3 units from the following:		3
ECE 343	Language and Literacy Development in Early Childhood (3)	
or ECE 342	Constructive Math and Science in Early Childhood Education (3)	
or ECE 326	Making Learning Visible Through Observation and Documentation (3)	
or ECE 302	Computer Skills for Educators (3)	
or ECE 360	Art and Music in Early Childhood (3)	
Total Units:		**40**

The Early Childhood Education Administration Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- students should be aware they will need to show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to volunteering or being employed to work with children.
- have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation prior to employment. Exemptions are granted by the Department of Social Services and the Commission on Teacher Credentialing on an individual basis.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- provide service in the care, development, and education of children in early care and education settings.
- supervise a child care and development program operating at a single site (with appropriate experience); provide service in the care, development, and instruction of children in a child care and development program; serve as coordinator of curriculum and development.
- supervise assistants, aides, and teachers in private early care and education settings; supervise Assistant, Associate, Teacher, and Master Teacher Permit holders after receiving the Site Supervisor Permit.
- create a developmentally appropriate learning environment for children in early care and education settings.
- assess the development of children for the purposes of curriculum planning and implementation; compare and contrast the development of typical children to those with atypical development.
- demonstrate knowledge of best practices in guidance, curriculum selection, and health and safety for early care and education settings.
- recognize the importance of early childhood as a unique time in children's development that requires specialized developmentally appropriate activities, routines, interactions, and guidance.

- distinguish developmentally appropriate practices from other types of teaching strategies.
- cite and define the developmental learning outcomes of activities offered to children in their early care and education setting.
- recognize, respect, and integrate the individualized needs of the diverse children and families into their early care and education program.
- prioritize, organize, and manage the logistics of an early care and education setting including staff training, evaluation, budget, and public relations.
- facilitate and support the professional development of staff under their supervision.

Career Information

Students receiving an ECE Administration A.A. degree are eligible for employment at many levels in the diverse early care and education field. Students who complete the program may serve as teachers or as directors in privately owned settings. Students interested in working with infant or school age programs will need to add courses specific to those age groups or complete the certificates aligned with those age groups. Graduates would also be prepared for employment in other settings that require knowledge of child development and best practices for programs. Students are advised to meet with the Early Childhood Education Coordinator during the development of their education plans to learn about the requirements of the California Commission on Teacher Credentialing and the Child Development Permit Process.

A.A. in Early Childhood Education Teacher

The Early Childhood Education Teacher A.A. Degree provides preparation for employment as a teacher in early care and education settings. Upon completion of the degree students will be eligible for the Teacher Permit through the California Commission on Teacher Credentialing. The coursework in this program focuses on typical and atypical development, the culture and ecology of children and its relationship to learning, curriculum development, assessment, and program planning and implementation.

Degree Requirements

Course Code	Course Title	Units
ECE 300	Introduction to Principles and Practices in Early Childhood Education	3
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 320	Curriculum and Interactions in Early Childhood Education	4
ECE 321	Advanced Practicum in Early Childhood Education	4
ECE 322	Promoting Children's Social Competence (3)	3
or ECE 400	Children with Exceptional Needs (3)	
ECE 326	Making Learning Visible Through Observation and Documentation	3
ECE 342	Constructive Math and Science in Early Childhood Education	3
ECE 343	Language and Literacy Development in Early Childhood	3
ECE 360	Art and Music in Early Childhood	3
ECE 419	Healthy Young Children in Group Care	1
ECE 430	Culture and Diversity in Early Childhood Education	3
Total Units:		**36**

The Early Childhood Education Teacher Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- students should be aware they will need to show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to volunteering or being employed to work with children.
- have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation prior to employment. Exemptions are granted by the Department of Social Services and the Commission on Teacher Credentialing on an individual basis.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- provide service in the care, development, and education of children in early care and education settings.
- supervise assistants and aides as well work with parents and volunteers in early care and education settings.
- create a developmentally appropriate learning environment for children in early care and education settings.
- assess the development of children for the purposes of curriculum planning and implementation; compare and contrast the development of typical children with those with atypical development.
- demonstrate knowledge of best practices in guidance, curriculum selection, and health and safety for early care and education settings.
- recognize the importance of early childhood as a unique time in children's development that requires specialized developmentally appropriate activities, routines, interactions, and guidance.
- distinguish developmentally appropriate practices from other types of teaching strategies.
- cite and define the developmental learning outcomes of activities offered to children in their early care and education setting.

- recognize, respect, and integrate the individualized needs of diverse children and families, including children with special needs, into their early care and education setting.

Career Information

Students with the Early Childhood Education Teacher A.A. Degree are eligible for employment as teachers in early care and education programs. With the addition of an Infant Certificate or a School Age Certificate, they are also able to work with those specific age groups in care and education settings. Additional administration units are required to manage a program. Students are advised to meet with the Early Childhood Education Coordinator during the development of their education plans to learn about the requirements of the California Commission on Teacher Credentialing and the Child Development Permit Process.

Certificates of Achievement

Family Child Care Certificate

This program prepares students to operate early care and education programs within their own homes. The courses listed exceed the course requirements for the Department of Social Services, Community Care Licensing. Students may wish to learn more about specific age groups by enrolling in additional courses focusing on infancy, preschool, or school age children.

Certificate Requirements

Course Code	Course Title	Units
ECE 300	Introduction to Principles and Practices in Early Childhood Education	3
ECE 305	Introduction to Family Child Care	1
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 415	Children's Health, Safety and Nutrition	3
ECE 320	Curriculum and Interactions in Early Childhood Education (4)	0.5 - 4
or ECE 498	Work Experience in Early Childhood Education (0.5 -4)	
ECE 322	Promoting Children's Social Competence (3)	3
or ECE 400	Children with Exceptional Needs (3)	
A minimum of 3 units from the following:		3
ECE 342	Constructive Math and Science in Early Childhood Education (3)	
ECE 343	Language and Literacy Development in Early Childhood (3)	
ECE 360	Art and Music in Early Childhood (3)	
Total Units:		**19.5 - 23**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- students should be aware they will need to show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to volunteering or being employed to work with children.
- have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation prior to employment. Exemptions are granted by the Department of Social Services and the Commission on Teacher Credentialing on an individual basis.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- research the feasibility of opening a family child care business in their home.
- design the policy and regulations for their family child care home.
- organize and plan a developmentally appropriate program for the children attending the family child care home.
- operate within the regulations of the Department of Social Services, Community Care Licensing for their family child care home.
- explain and describe to their potential clients the learning outcomes for the children attending their family child care home.
- supervise and guide assistants.

Career Information

Students completing this certificate will have the required units to open and operate a family child care business in their homes. Community Care Licensing requires additional background checks, home inspection, etc. before a provider may become licensed to provide care in their home. These courses are also acceptable for work in licensed centers and count toward the Child Development Permit.

Infant Care and Education Teacher Certificate

This program provides preparation for employment in early care and education settings. The program meets the course requirements for staff at the teacher level working with infants in private early care and education settings licensed by the California State Department of Social Services. Students will also have appropriate units for an Associate Teacher Permit through the California Commission on Teacher Credentialing.

Certificate Requirements

Course Code	Course Title	Units
ECE 300	Introduction to Principles and Practices in Early Childhood Education	3

Course Code	Course Title	Units
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 322	Promoting Children's Social Competence	3
ECE 330	Infant and Toddler Development	3
ECE 331	Care and Education of Infants and Toddlers (3)	3
ECE 334	Laboratory with Infants and Toddlers	1
ECE 400	Children with Exceptional Needs (3)	3
or ECE 402	Infants with Atypical Development (3)	
ECE 419	Healthy Young Children in Group Care (1)	1
ECE 430	Culture and Diversity in Early Childhood Education	3
Total Units:		**26**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- students should be aware they will need to show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to volunteering or being employed to work with children.
- have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation prior to employment. Exemptions are granted by the Department of Social Services and the Commission on Teacher Credentialing on an individual basis.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- provide service in the care, development, and education of children in early care and education settings with a special emphasis on working with children from birth to three years of age.
- supervise assistants and aides in private early care and education settings.
- create a developmentally appropriate learning environment for children in early care and education settings.
- assess the development of children for the purposes of curriculum planning and implementation; compare and contrast the development of typical children to those with atypical development.
- demonstrate knowledge of best practices in guidance, curriculum selection, and health and safety for early care and education settings.
- recognize the importance of early childhood (emphasis on infancy) as a unique time in children's development that requires specialized developmentally appropriate activities, routines, interactions, and guidance.
- distinguish developmentally appropriate practices from other types of teaching strategies and explain and define the developmental learning outcomes of activities offered to children in their care.
- distinguish the unique needs of children less than three years of age from those older in areas of health, safety, environmental design, curriculum design, and social and emotional development.
- show appreciation and support for parents of diverse cultures in the parent/child relationship and for the parent's knowledge of child development and care.

Career Information

Students with the Infant Care and Education Teacher Certificate are eligible for employment as teachers with infants in private early care and education programs. Students are advised to meet with the Early Childhood Education Coordinator during the development of their education plan to learn about the requirements of the California Commission on Teacher Credentialing and the Child Development Permit Process.

School-Age Care and Education Teacher Certificate

This program provides preparation for employment in school-age care and education settings in before and after school programs. The program meets the course requirements for staff at the teacher level in private school-age care and education settings licensed by the California State Department of Social Services. There is an alternative degree in Education Studies for students working to transfer for a teaching credential.

Certificate Requirements

Course Code	Course Title	Units
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 322	Promoting Children's Social Competence (3)	3
or ECE 400	Children with Exceptional Needs (3)	
ECE 350	Introduction to Elementary Teaching with Field Experience (3)	3 - 4
or ECE 320	Curriculum and Interactions in Early Childhood Education (4)	
ECE 419	Healthy Young Children in Group Care	1
ECE 430	Culture and Diversity in Early Childhood Education	3
EDUC 360	Working with the School-Age Child	3
A minimum of 3 units from the following:		3
ECE 320	Curriculum and Interactions in Early Childhood Education (4)	
ECE 321	Advanced Practicum in Early Childhood Education (4)	
ECE 322	Promoting Children's Social Competence (3)	
ECE 342	Constructive Math and Science in Early Childhood Education (3)	
ECE 343	Language and Literacy Development in Early Childhood (3)	
ECE 360	Art and Music in Early Childhood (3)	

Course Code	Course Title	Units
ECE 400	Children with Exceptional Needs (3)	
ECE 415	Children's Health, Safety and Nutrition (3)	
Total Units:		**22 - 23**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- students should be aware they will need to show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to volunteering or being employed to work with children.
- have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation prior to employment. Exemptions are granted by the Department of Social Services and the Commission on Teacher Credentialing on an individual basis.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- provide service in the care, development, and education of children in school-age care and education settings.
- supervise assistants and aides in private school-age care and education settings.
- create a developmentally appropriate learning environment for children in school-age care and education settings.
- assess the development of children for the purposes of curriculum planning and implementation; compare and contrast the development of typical children to those with atypical development.
- demonstrate knowledge of best practices in guidance, curriculum selection, and health and safety for school-age care and education settings.
- recognize the importance of childhood as a unique time in children's development that requires specialized developmentally appropriate activities, routines, interactions and guidance.
- distinguish developmentally appropriate practices from other types of teaching strategies, cite and define the developmental learning outcomes of activities offered to children in their school-age care and education setting.
- recognize and respect the diversity of the cultures of children and families in early care and education programs.
- integrate the activities of before or after-school programs with the activities and academic work of the children's school day.

Career Information

Students with the School-Age Care and Education Teacher Certificate are eligible for employment as teachers in private school-age care and education before and after school programs. Students are advised to meet with the Early Childhood Education Coordinator during the development of their education plan to learn about the requirements of the California Commission on Teacher Credentialing and the Child Development Permit Process. The School-Age Care and Education Teacher Certificate offers opportunities that would be excellent preparation for transfer into a K-12 teacher preparation program or a career in recreation programs for children.

Early Childhood Education (ECE) Courses

ECE 294 Topics in Early Childhood Education

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.

This course is designed to give students an opportunity to study topics in Early Childhood Education that are not included in current offerings.

ECE 295 Independent Studies in Early Childhood Education

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

Independent Studies in Early Childhood Education offers students the opportunity to explore topics and interests that are not available through a current semester's regular course offerings. Students must have a faculty member willing to support and evaluate the student's progress towards the student's learning objectives.

ECE 299 Experimental Offering in Early Childhood Education

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ECE 300 Introduction to Principles and Practices in Early Childhood Education

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU
C-ID: C-ID ECE 120

This course is an introduction to early childhood education, including an overview of the history of the field, evolution of

professional practices and ethics, and developmentally appropriate educational principles and practices that support child development from birth through the school-age years. The early education principle of teaching practices based on observation, documentation, and interpretation of children's behavior will be introduced. The importance of the teacher/child relationship based on positive, culturally relevant, supportive, and mutually rewarding interactions is a foundation of the course. ECE 300 is recommended as the first course for students interested in learning more about the field.

ECE 302 Computer Skills for Educators

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed for educators of early childhood, elementary, and adolescent children. The course provides a comprehensive overview of the use of computer education and technology in the classroom in order to enhance the education advancement of the child and facilitate ease of instruction and administration for the teacher. The course provides hands-on experience in the use of computer applications, educational software, and problem-solving skills through the development of an electronic portfolio process.

ECE 305 Introduction to Family Child Care

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

This course examines the operation of a Family Child Care business including developmentally appropriate teaching practices in Early Childhood Education. It includes licensing regulations, business practices, health and safety standards, and appropriate practices and curriculum for children in a family child care setting.

ECE 312 Child Development

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; CSU Area E1; IGETC Area 4
C-ID: C-ID CDEV 100

This course is designed for students to study the growth and development of children from the prenatal stage through adolescence. For each stage of development, the physical, cognitive, linguistic, social-moral, and emotional aspects of development with attention to both typical as well as atypical development are discussed in each area. Included are the influences of culture, family, and the environment. The material in this course is designed as a foundation for teaching in the elementary school, nursing, early childhood education, and parenting.

ECE 314 The Child, the Family and the Community

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D; CSU Area E1; IGETC Area 4
C-ID: C-ID CDEV 110

This course is an examination of the developing child in a societal context focusing on the interrelationship of family, school, and community and emphasizing historical and socio-cultural factors. Influences on growth and development including media, social class, gender, sexual orientation, racial/ethnic groups, and their relationship to family behavior will be explored.

ECE 320 Curriculum and Interactions in Early Childhood Education

Units: 4
Hours: 36 hours LEC; 108 hours LAB
Prerequisite: ECE 300 and 312 with grades of "C" or better
Enrollment Limitation: Students must show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Diphtheria, Acellular Pertussis (TDAP), measles, and rubella. Annual flu shots, a physician's exemption from the flu shot, or a statement declining the shot are also required prior to participating in the lab.
Transferable: CSU
C-ID: C-ID ECE 130

This course offers students the opportunity to integrate theory into practice as they work on planning, implementing, and evaluating classroom activities, assessing individual children's strengths and learning needs, and participating in the routines of an early learning classroom. In this supervised field experience course, students are enrolled in both a lecture and lab section. During weekly in-class meetings with the instructor, students are presented with the developmentally appropriate theory that grounds curriculum and interactions in high quality early childhood education classrooms. Students are required to take this theory into lab where they have the opportunity to apply and practice what they are learning in the lecture. Topics include the teacher's role in the development of curriculum based on observation and assessment of the individual needs of the children in the program. The teacher's role in guidance and the development of social competence in children is stressed. The students will be assigned to the campus Child Development Center during specific times of the day for supervised laboratory experiences. Students may also complete up to 50 percent of their lab hours at off campus sites if they are employed at least 20 hours per week at the site. Students completing any hours at off campus sites must be under the direct supervision of a staff person eligible for or holding a Master Teacher Permit or higher level permit. Students may also complete lab under the supervision of a mentor teacher selected by the California Early Childhood Mentor Teacher Program coordinated by Los Rios District Early Childhood Education faculty.

ECE 321 Advanced Practicum in Early Childhood Education

Units: 4

Hours: 36 hours LEC; 108 hours LAB
Prerequisite: ECE 300, 312, 314, and 320 with grades of "C" or better
Enrollment Limitation: Students must show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Diphtheria, Acellular Pertussis (TDAP), measles, and rubella. Annual flu shots, a physician's exemption from the flu shot, or a statement declining the shot are also required prior to participating in the lab.
Transferable: CSU
C-ID: C-ID ECE 210

This advanced practicum course provides supervised field experience in an early childhood education program. Students will participate as teachers in a classroom with young children and attend weekly lectures. Students will plan and implement long-term curriculum projects with young children, applying their skills in observation, assessment, documentation, and interpretation of children's work. There is a deeper examination of how young children construct knowledge in literacy, math, science, and how teachers develop curriculum. Students will develop and supervise the overall setting for learning and demonstrate skill in guiding children's behavior, managing groups, and building relationships with children and families. Students will be assigned to the campus Child Development Center or approved programs for supervised field experience practicum. Students may also complete up to 50 percent of their lab hours at off campus sites if they are employed at least 20 hours per week at the site. Students completing any hours at off campus sites must be under the direct supervision of a staff person eligible for or holding a Master Teacher Permit or higher level permit. Students may also complete lab under the supervision of a mentor teacher selected by the California Early Childhood Mentor Teacher Program coordinated by Los Rios District Early Childhood Education faculty.

ECE 322 Promoting Children's Social Competence

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ECE 300 with a grade of "C" or better
Transferable: CSU

This course is designed for teachers in early education programs to promote positive guidance methods. It is based on supporting children's development of social competence. The course includes strategies for understanding and responding to children's behavior in ways that are congruent with the core values of early childhood education. Concepts of guidance relating to typical and atypical development, culture, and environment will be presented. Parents of young children may also find the course of value.

ECE 324 Post Practicum Seminar in Early Childhood Education

Units: 1 - 3
Hours: 18 - 54 hours LEC
Prerequisite: ECE 320 and 321 with grades of "C" or better; Employment in the Sacramento City College Child Development Center
Enrollment Limitation: Students must show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Diphtheria, Acellular Pertussis (TDAP), measles, and rubella. Annual flu shots, a physician's exemption from the flu shot, or a statement declining the shot are also required prior to participating in the lab.
Transferable: CSU

This course is designed for students who have completed both ECE 320 and 321 and are working in a classroom as staff. The course supports students as they transition into taking responsibility for a classroom including ongoing curriculum development, assessment, guidance, and teaching to the needs of individual children. The course includes strategies for working with families and fellow staff members from diverse cultures and backgrounds.

ECE 326 Making Learning Visible Through Observation and Documentation

Units: 3
Hours: 54 hours LEC
Prerequisite: ECE 300 and 312 with grades of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b)
C-ID: C-ID ECE 200

This course applies critical and reflective thinking to observation and assessment of young children’s development. It prepares teachers of young children to use observation, documentation, and interpretation strategies to improve program quality in early childhood settings. Multiple forms of child assessment and early childhood program assessment are explored.

ECE 330 Infant and Toddler Development

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU

This course is an examination of the development of children from conception to three years of age. The course includes information on the brain development that occurs during the first three years of life in typically developing infants. The course presents research on physical, social, emotional, cognitive, and language development to assist parents and professionals in understanding the importance of infancy in human development.

ECE 331 Care and Education of Infants and Toddlers

Units: 3
Hours: 54 hours LEC
Prerequisite: ECE 330 with a grade of "C" or better
Advisory: ECE 312 with a grade of "C" or better
Transferable: CSU

This course applies current research in infant development to the teaching and care of infants in group settings. Emphasis is on early childhood education principles and practices as applied to the care and education of infants from birth to three years of age. It includes strategies for designing, implementing, and evaluating group care programs for infants.

ECE 334 Laboratory with Infants and Toddlers

Units: 1
Hours: 54 hours LAB
Prerequisite: ECE 312 or 330 with a grade of "C" or better; Students must have completed ECE 331 (Education and Care of Infants in Group Settings) with a grade of "C" or better or be concurrently enrolled in ECE 331.
Enrollment Limitation: Current tuberculosis clearance is required prior to participating in lab hours
Transferable: CSU

This class provides experience working with infants and toddlers in a group care program. It is designed as a practicum/ laboratory for those who have completed or are concurrently enrolled in ECE 331. This course requires participation in a designated, supervised infant-toddler care setting for three hours per week with infants and/or toddlers. Students must be supervised by a staff member holding the Master Teacher Permit or higher during their lab hours. Current clearances for tuberculosis and required immunizations are required prior to participating in lab hours.

ECE 342 Constructive Math and Science in Early Childhood Education

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

The course is an introduction to the constructivist approach to teaching mathematics and science in early childhood education. The content and teaching techniques support the perspective that children construct knowledge through a dynamic, interactive process that facilitates their development of working theories relating to math and science. The course introduces concepts aligned with California Preschool Learning Foundations in Mathematics and the California Common Core Curriculum Standards.

ECE 343 Language and Literacy Development in Early Childhood

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ECE 300 with a grade of "C" or better
Transferable: CSU

This course prepares early childhood educators to recognize, create, and support developmentally appropriate emergent language and literacy experiences of young children. The knowledge of the stages of development in language and literacy will improve early childhood educators' abilities to support language and literacy in a play based curriculum. The course will address the development of language and literacy for children learning more than one language and children with special needs. The course emphasizes the importance of building a strong foundation in the use of language, both spoken and written prior to first grade.

ECE 350 Introduction to Elementary Teaching with Field Experience

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Current TB clearance is required by state law for all volunteers/teachers in education programs. The livescan background check is required by some local school districts.
Transferable: CSU
C-ID: C-ID EDUC 200

This course provides students an opportunity to explore the field of K-8 teaching and the career of teaching. The requirements and education required to attain a teaching credential will be examined. It includes a supervised structured field placement of three hours weekly (minimum of 45 hours per semester) in a local public elementary school with a college-approved certificated teacher. The weekly class meetings focus on the profession of teaching, career selection, children's developmental domains and influences on development such as family, community, race, and culture. The students will practice and develop teaching skills in observation, communication, and cultural competency. Students' field experiences will integrate and apply the course content.

ECE 360 Art and Music in Early Childhood

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course is a study of the use of creative art and music in early childhood education programs. The appropriate use of art materials and music activities for children at different developmental stages will be the focus of the course. Children's use of visual arts and music to represent their experiences and feelings will be examined as a developmental stage in the use of symbols and the development of literacy. Activities using music and movement to build community, share cultures and traditions, facilitate transitions, and in classroom management will be presented. The integration of art and music across the curriculum and the adaptation of these processes to support young children's overall development will be emphasized.

ECE 400 Children with Exceptional Needs

Units: 3
Hours: 54 hours LEC
Prerequisite: ECE 312 with a grade of "C" or better
Advisory: ENGWR 300
Transferable: CSU

This course is an overview of the developmental issues, characteristics, and learning differences of children from birth through adolescence with exceptional needs, including gifted and talented. Current educational strategies, including assessment and curriculum design will be presented. Community resources, advocacy, and challenges for children with exceptional needs and their families will be examined.

ECE 401 Field Experience in Inclusive Settings

Units: 1
Hours: 54 hours LAB
Prerequisite: ECE 300 and 312 with grades of "C" or better
Corequisite: ECE 400

Enrollment Limitation: Students must show evidence of a negative test or chest X-ray clearance for tuberculosis as well as required immunizations. Students may need to submit to fingerprints as a requirement for entry into a school setting. A fee will be required.
Transferable: CSU

This course provides experience working in a school environment with children and youth who have disabilities. It is designed as a laboratory for those who have completed or are concurrently enrolled in ECE 400. The course covers skills for students who want to be general educators, special educators, school and social service providers, and/or community members, who are essential in providing inclusive/integrated environments for differently-abled children and youth. Environmental modifications including classroom, school, agency, and community settings are studied. Classroom modifications in curriculum, assessment, behavior management, and instructional methods are examined. This course meets the requirement for special education in inclusive settings. Students must supply their own transportation to selected elementary school placements.

ECE 402 Infants with Atypical Development

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ECE 330 and ECE 312 with grades of "C" or better
Transferable: CSU

This course is designed to acquaint the student with the characteristics of atypical infant assessment procedures and techniques for intervention in the developmental areas of sensory stimulation and integration, motor development, cognition, language, social, and self-help skills. The course will explore community services, agencies, career opportunities in fields related to the infant with atypical development.

ECE 406 Field Experience Working with Children with Special Needs

Units: 4
Hours: 36 hours LEC; 108 hours LAB
Prerequisite: ECE 300 and 400 with grades of "C" or better
Enrollment Limitation: Students must show proof of clearance for T.B. and required immunizations. Students may be required to pay a fee for fingerprinting.
Transferable: CSU

This course provides supervised experience working with children with special needs in an inclusive early care and education setting. Topics include integration strategies, classroom environments, and individualized instructional strategies for children. Emphasis will be on creating modifications, accommodations, or adaptations to the environment. In this supervised field experience course, students are enrolled in both a lecture and lab section. Students are required to attend a lab section each week where they have the opportunity to apply and practice what they are learning in the lecture section. The students will be assigned to the Campus Child Development Center during specific times of the day for supervised laboratory experiences.

ECE 415 Children's Health, Safety and Nutrition

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU
General Education: AA/AS Area III(b); CSU Area E1
C-ID: C-ID ECE 220

The key components that ensure the health, safety, and nutrition of both children and staff will be identified along with the importance of collaboration with families and health professionals. Students will be introduced to early childhood curriculum, regulations, standards, policies, and procedures related to child health, safety, and nutrition. Course emphasis is placed on integrating and maintaining the optimal health, safety, and nutritional concepts in everyday planning and program development for all children.

ECE 419 Healthy Young Children in Group Care

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

This course covers information necessary for providers to maintain safe and healthy environments for young children in their care. Topics include preventive health practices, infectious disease control, injury prevention, playground safety, prevention of lead exposure, and emergency preparedness. This course meets the requirements of mandated health and safety training for child care providers.

ECE 420 Administration I: Programs in Early Childhood Education

Units: 3
Hours: 54 hours LEC
Prerequisite: ECE 300 and 312 with grades of "C" or better
Transferable: CSU

This is an introductory course in the elements of program planning, legal requirements, supervision, and personnel administration for early childhood education and care facilities. The emphasis in this course is on privately funded facilities licensed under the Department of Social Services Community Care Licensing, Title 22, Health and Safety Code.

ECE 422 Administration II: Personnel and Leadership in Early Childhood Education

Units: 3
Hours: 54 hours LEC
Prerequisite: ECE 320 or 420 with a grade of "C" or better
Advisory: Students should have at least one year of experience working with children in a child care and development program.
Transferable: CSU

This is an advanced course in the administration and coordination of multi-faceted Child Development Programs. The focus of the course will be programs funded with public funds or administered by a board of directors. Additional emphasis will be on personnel management including teacher

classifications under the Child Development Permit Matrix. This course meets the requirements of the Education Code under Title 5 and the Commission for Teacher Credentialing, California Site Supervisor Permit.

ECE 424 Adult Supervision: Mentoring in a Collaborative Learning Setting

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU

This course is a study of the methods and principles of the collaborative learning approach with emphasis on supervising teachers in early childhood education. Emphasis is on the role of a mentor who functions to guide the teaching team while simultaneously addressing the needs of children, parents, and their staff. This course satisfies the adult supervision requirement for receiving a Supervising Teacher Permit from the California Commission on Teacher Credentialing.

ECE 430 Culture and Diversity in Early Childhood Education

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR300 and ECE 312 with grades "C" or better
Transferable: CSU
General Education: AA/AS Area VI
C-ID: C-ID ECE 230

This course covers culturally responsive care and education in early childhood settings. It includes the study of socio-cultural issues as they vary across the diverse cultures represented in the classroom and as they impact a child's development. Included are strategies for interacting with diverse families and helping children negotiate and resolve conflicts caused by cultural differences, with a focus on using an anti-bias approach in the classroom.

ECE 495 Independent Studies in Early Childhood Education

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: ECE 312 with a grade of "C" or better
Transferable: CSU

Independent Studies in Early Childhood Education offers students the opportunity to explore topics and interests that are not available through a current semester's regular course offerings. Students must have a faculty member willing to support and evaluate the student's progress towards the student's learning objectives. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted toward the minimum 60 units required for admissions.

ECE 498 Work Experience in Early Childhood Education

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: ECE 300, 312, and 314 with grades of "C" or better
Enrollment Limitation: In order to enroll students must be employed or volunteering in a position related to Early Childhood Education and enrolled in a minimum of 7 units, which may include Work Experience in Early Childhood Education. Students should be aware proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Diphtheria, Pertussis, measles and rubella are required. Annual flu shots, a physician's exemption from the flu shot, or a statement declining the flu shot are required.
Transferable: CSU

This course provides work experience in early childhood settings, primarily child care and development centers, with opportunities to work with children, infancy through the school age years. By combining volunteer or paid work experience with college training, jobs are used as earning settings. Enrollment is dependent on employment or on availability of voluntary work placement. Course content includes completions of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace. The student will be required to attend an orientation at the beginning of the course. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

ECE 499 Experimental Offering in Early Childhood Education

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Economics

Economics is the study of how we work to get the biggest bang for our buck, or how we transform scarce resources into goods and services to satisfy the most pressing of our infinite wants, and how we distribute those goods and services amongst ourselves. Most economists spend at least some of or all of their work day in an office environment, working on projects and research and meeting with clients or coworkers. The stereotype of economists as “stodgy old professors” has undergone an evolution as clients and managers work side-by-side with economists to develop new business opportunities.

Degrees Offered

A.A.-T. in Economics

Dean Dr. Deborah L. Saks
Department Chair Suzanne De Mey
Phone (916) 558-2581
Email DemeyS@scc.losrios.edu

Associate Degree for Transfer

A.A.-T. in Economics

The Associate in Arts in Economics for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students who complete an Associate Degree for Transfer and transfer to a similar major at a CSU are guaranteed a seamless pathway to finish their baccalaureate degrees in 60 semester or 90 quarter units.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
ECON 302	Principles of Macroeconomics	3
ECON 304	Principles of Microeconomics	3
MATH 400	Calculus I	5
STAT 300	Introduction to Probability and Statistics (4)	4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
A minimum of 6 units from the following:		6
ACCT 301	Financial Accounting (4)	
ACCT 311	Managerial Accounting (4)	
CISC 310	Introduction to Computer Information Science (3)	
CISP 360	Introduction to Structured Programming (4)	
MATH 350	Calculus for the Life and Social Sciences I (3)	
or MATH 355	Calculus for Biology and Medicine I (4)	
MATH 370	Pre-Calculus Mathematics (5)	
or MATH 372	College Algebra for Calculus (4)	
MATH 401	Calculus II (5)	
MATH 402	Calculus III (5)	
MATH 410	Introduction to Linear Algebra (3)	
Total Units:		**21**

The Associate in Arts in Economics for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain terms and concepts used in macroeconomics and microeconomics.
- analyze models to explore consequences of economic policy proposals on households, businesses, domestic and global economies, and the environment.
- evaluate economic models to explore the consequences of macroeconomic events and the probable consequences of macroeconomic policy proposals for the national and global economy.
- solve problems requiring the application of economics, statistics, and mathematics.
- utilize economic concepts about the nature of the firm, cost and production functions, results under different market structures.
- apply quantitative methods in economic analysis including optimization of economic goals including utility and profit maximization.

Career Information

There are a wide array of job opportunities in business, finance, government, and other sectors for an individual with an undergraduate degree in economics. Business firms of all sizes provide employment and career opportunities including jobs in banking, budget and market analysis, and in sales. Federal, state, and local government agencies require and employ individuals with training in economics to carry benefit-cost analysis and as research assistants and analysts. Job opportunities also exist in education and journalism. Economies and individual markets are dynamic, and business economists

help firms understand and adapt to changes occurring in the economy and in specific markets. Individuals with economics degrees work in a broad range of fields with jobs with federal, state, and local government agencies. Job opportunities are expanding for employment for those seeking jobs with global or international focus.

Economics (ECON) Courses

ECON 100 Introduction to Economics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
General Education: AA/AS Area V(b)

This course introduces the purpose, terminology, and basic concepts of economic theory, examines the fundamental economic problem of scarcity and describes how our society is organized to deal with scarcity. Core concepts in supply, demand, and markets will be presented. Coverage will include ways economic policy can mitigate problems associated with unemployment, inflation, poverty, national debt, and pollution.

ECON 299 Experimental Offering in Economics

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ECON 302 Principles of Macroeconomics

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 100 or MATH 104 with a grade of "C" or better; or through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D2; IGETC Area 4B
C-ID: C-ID ECON 202

This course describes the interaction among households, business, government, and the foreign sectors of the economy. It analyzes the linkage between money, interest rates, government expenditure, and taxation, in determining the levels of output, employment, prices, incomes, national debt, and balance of trade.

ECON 304 Principles of Microeconomics

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D2; IGETC Area 4B
C-ID: C-ID ECON 201

The pricing and allocation of resources under varying market competitive conditions are the focuses of this course. Consideration of the effect government action may have on the efficiency, effectiveness, and equity of market behavior and an investigation of factor markets, including labor markets and also market failure, are included. Other topics may be covered as time permits.

ECON 310 Statistics for Business and Economics

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 109, MATH 120, MATH 124, or STAT 100 with a grade of "C" or better;
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course covers the collection, presentation, analysis, and interpretation of numerical data. Statistical analysis will include central tendency, variation, probability, sampling, inference, analysis of variance, linear regression, and correlation. Statistical analysis using a computer statistics package or graphing calculator is required. This course focuses on statistical concepts commonly used in economics, business, and other behavioral sciences.
This course was formerly known as Economic Statistics.

ECON 330 Investments and Financial Management

Same As: BUS 325
Units: 3
Hours: 54 hours LEC
Prerequisite: BUS 320, ECON 302, ECON 304, or MATH 120 with a grade of "C" or better
Transferable: CSU

Fundamentals of Investment Management and Financial Markets will provide important information that individuals should know before investing their funds or managing investments. The course will be equally valuable to those who have little or no knowledge of investing and financial markets as well as those who are already investors and want to sharpen their skills. The course will provide a blend of the traditional and modern approaches to investment decision making (and financial markets). The traditional approach is largely descriptive, while the modern approach emphasizes quantitative techniques. Credit may be awarded for ECON 330 or BUS 325, but not for both.

ECON 495 Independent Studies in Economics

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course is an independent study of an economics topic or research project. It is for students who wish to develop an in-depth understanding in fundamental topics of economics and to learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ECON 499 Experimental Offering in Economics

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

Introduces the purpose, terminology, and basic concepts of economic theory; examines the fundamental economic problem of scarcity and describes how our society is organized to deal with scarcity; considers some of the problems (unemployment, inflation, poverty) economic theory may help solve.

Education/Teaching

The Education/Teaching program offers Associate in Arts for Transfer degrees in Child and Adolescent Development as well as Elementary Teacher Education.

Degrees Offered

A.A.-T. in Child and Adolescent Development

A.A.-T. in Elementary Teacher Education

A.A. in Teacher Education

Dean Dennis Lee

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.A.-T. in Child and Adolescent Development

The Associate in Arts in Child and Adolescent Development for Transfer is designed to provide a clearly articulated curricular track for Sacramento City College students preparing for seamless transfer in Child Development to pursue an elementary teaching credential at the California State University.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
BIOL 308	Contemporary Biology (3)	4
and BIOL 309	Contemporary Biology Laboratory (1)	
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 350	Introduction to Elementary Teaching with Field Experience	3
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
STAT 300	Introduction to Probability and Statistics (4)	4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
Total Units:		**20**

The Associate in Arts in Child and Adolescent Development for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Students must show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to participating in the lab or working with young children.
- Students must have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation. Exemptions are granted by the Department of Social Services and Commission on Teacher Credentialing on an individual basis.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- integrate the developmental theories of child development into his or her implementation of teaching practices and curriculum.
- demonstrate a broad understanding of biological, social, cognitive, and cultural factors influencing children's development and learning.
- incorporate knowledge from areas of general education into his or her knowledge base to facilitate his or her ability to teach in a multiple subject classroom.

Career Information

This Associate in Arts in Child and Adolescent Development for Transfer is designed for students transferring into Child Development with the goal of teaching in the elementary schools of California. It is aligned with the Child Development Elementary Education Pre-Credential Major.

A.A.-T. in Elementary Teacher Education

The Associate in Arts in Elementary Teacher Education for Transfer is designed to meet the introductory content area

subject matter for requirements for teaching at the elementary school level. The courses in this degree satisfy general education requirements for graduation at Sacramento City College and transfer. Additional requirements for the Elementary Teacher Education major may vary at each CSU. It is highly recommended that students meet with a counselor to discuss graduation and transfer requirements.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
BIOL 308	Contemporary Biology	3
BIOL 309	Contemporary Biology Laboratory	1
CHEM 330	Adventures in Chemistry (4)	7
and PHYS 310	Conceptual Physics (3)	
COMM 301	Introduction to Public Speaking	3
COMM 315	Persuasion (3)	3
or COMM 316	Advanced Argumentation and Critical Thinking (3)	
or ENGWR 302	Advanced Composition and Critical Thinking (3)	
or ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
or SOC 305	Critical Thinking in the Social Sciences (3)	
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 350	Introduction to Elementary Teaching with Field Experience	3
ENGED 305	Structure of English	3
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature	4
GEOG 320	World Regional Geography	3
GEOL 305	Earth Science	3
GEOL 306	Earth Science Laboratory	1
HIST 307	History of World Civilizations to 1500	3
HIST 310	History of the United States (To 1877) (3)	3
or HIST 320	History of the United States: African-American Emphasis (3)	
or HIST 483	History of the United States - Honors (3)	
MATH 310	Mathematical Discovery (3)	3 - 4
or STAT 300	Introduction to Probability and Statistics (4)	
MUFHL 305	Music Appreciation (3)	3
or ARTH 300	Art Appreciation (3)	
or TA 300	Introduction to the Theatre (3)	
POLS 301	Introduction to Government: United States (3)	3
or POLS 481	Introduction to Government: United States - Honors (3)	
Total Units:		**58 - 60**

The Associate in Arts in Elementary Teacher Education for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- clarify and articulate career goals of becoming an elementary school teacher.
- integrate the attitudes, actions, dispositions, and behaviors required of a professional educator into a teaching skill set.
- apply analytical reading, writing, research, and critical thinking skills to gain knowledge and teach it to others.
- demonstrate the breadth of knowledge necessary for teaching in a classroom with multiple subject areas.

Career Information

The Associate in Arts in Elementary Teacher Education for Transfer enables students to transfer to a four-year college or university that accepts the degree and complete the requirements to become a credentialed K-8 Teacher. The liberal studies courses in the degree offer a broad educational foundation useful in many careers.

Associate Degrees

A.A. in Teacher Education

This program is to prepare students to transfer into a teacher preparation program. The focus of the preparation is for a credential in multiple subject teaching in the elementary schools. The program offers courses focused on teaching as well as a portion of the required general education courses necessary to prepare for transfer into a teacher preparation program at a four year college.

Degree Requirements

Course Code	Course Title	Units
BIOL 308	Contemporary Biology (3)	4
and BIOL 309	Contemporary Biology Laboratory (1)	
COMM 361	The Communication Experience	3
ECE 312	Child Development	3
ECE 314	The Child, the Family and the Community	3
ECE 350	Introduction to Elementary Teaching with Field Experience	3
ECE 400	Children with Exceptional Needs (3)	4
and ECE 401	Field Experience in Inclusive Settings (1)	
ECON 302	Principles of Macroeconomics	3
EDUC 342	Introduction to Bilingual Education	3
ENGED 305	Structure of English	3
ENGED 320	Service Learning: Tutoring Elementary Students in Reading	3
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
ENGWR 301	College Composition and Literature (3)	3
or ENGWR 302	Advanced Composition and Critical Thinking (3)	
or ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
GEOG 305	Global Climate Change (3)	6
and GEOG 306	Weather and Climate (3)	
HEED 300	Health Science	3
HIST 307	History of World Civilizations to 1500	3
HIST 308	History of World Civilizations, 1500 to Present	3
HIST 310	History of the United States (To 1877) (3)	3
or HIST 320	History of the United States: African-American Emphasis (3)	
or HIST 483	History of the United States - Honors (3)	
MATH 310	Mathematical Discovery	3
POLS 301	Introduction to Government: United States (3)	3
or POLS 481	Introduction to Government: United States - Honors (3)	
Total Units:		**62 - 63**

The Teacher Education Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Ability to pass the Criminal Record Clearance or receive an exemption proving eligibility to work with children
- Test negative for tuberculosis

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- understand and identify requirements, expectations, and dispositions required in the teaching profession.
- apply child development theory to their work with children, integrating theory of development in the cognitive, physical, emotional, and social domains into their teaching practices.
- demonstrate and apply culturally sensitive, anti-bias, equity based practices in interactions with children and families.
- build a knowledge base in a number of general education topics necessary for teaching multiple subjects in the elementary school setting.

Career Information

This program is specifically designed to introduce students to the teaching profession in elementary school. Students completing the program would have the ability before transfer to work in before and after school programs for school age children.

Education Studies (EDUC) Courses

EDUC 299 Experimental Offering in Education Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

EDUC 342 Introduction to Bilingual Education

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Corequisite: ECE 350 or ENGED 320
Enrollment Limitation: Students must show evidence a negative test or chest X-ray clearance for tuberculosis.
Advisory: ECE 312 with a grade of "C" or better
Transferable: CSU

This course is an introduction to the study of the education of English Learners in California and the United States. It includes the history, relevant legislation, first and second language acquisition theories, practices and strategies for the development of English proficiency. The course involves observations and tutoring of English Language Learners using materials and strategies responsive to the students' primary language and assessed levels of English proficiency. Students must be concurrently enrolled in either ECE 350 or ENGED 320. If students have previously completed ECE 350 they may enroll with consent of instructor.

EDUC 360 Working with the School-Age Child

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ECE 312 and 350 with grades of "C" or better
Transferable: CSU

Students will investigate the fundamentals of planning and implementing programs for the before- and after-school care of school-age children (K-6). Emphasis will be placed on day-to-day program planning, instructional strategies, research on developmental levels of the school-aged child, as well as age-appropriate activities. Students will explore topics such as: cooperative learning, STEM/STEAM, problem solving, literacy, and other curriculum content areas.

EDUC 499 Experimental Offering in Education Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Electronics Technology

The Electronics Technology Department offers a comprehensive curriculum in Telecommunications Technician, Electronics Facilities Maintenance Technician, Automated Systems Technician, Microcomputer Technician and Electronics Mechanic. The department offers career certificates and A.S. degrees in each of these disciplines. The Telecommunications, Automated Systems and Facilities Maintenance options are certified training programs for the Federal Aviation Administration Electronic Technician positions.

Degrees and Certificates Offered

A.S. in Automated Systems Technician

A.S. in Telecommunications Technician

Automated Systems Technician Certificate

Telecommunications Technician Certificate

Dean Andrea Gaytan

Department Chair Richard Gentry

Phone (916) 558-2250

Email GentryR@scc.losrios.edu

Associate Degrees

A.S. in Automated Systems Technician

The Automated Systems Technician Program consists of courses from basic electronic concepts and safety to courses in computer and smart device controlled systems. It is designed to prepare students for employment in the automated manufacture, assembly, and testing of electronic circuit devices.

Recommended High School Preparation: Courses in electricity, electronics, English, algebra, physics, chemistry, and computers.

Program Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies), a laboratory materials fee may be required. Students will be responsible for providing some electronic parts and purchasing a basic electronics tool kit, which is available from the Department. For specific class-required materials and texts, check with the electronics faculty or the College Store. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Degree Requirements

Course Code	Course Title	Units
CISC 310	Introduction to Computer Information Science	3
ET 192	Introduction to Robotics	2
ET 305	DC/AC Theory and Circuit Fundamentals	4
ET 306	Electronics Fabrication and Soldering Techniques	2
ET 314	Mathematics for DC/AC Theory and Circuit Fundamentals	3
ET 322	Semiconductors and Nanotechnology	4
ET 335	Integrated Circuits with Computer Applications	4
ET 340	Basic Microprocessors	4
ET 362	Modern Electronic Control Technology	3
ET 390	Microprocessor Systems - Troubleshooting	3
ET 491	Electronics Projects Laboratory I	2
ET 492	Electronics Projects Laboratory II	2
Total Units:		**36**

The Automated Systems Technician Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate safe work practices for automated systems equipment.
- demonstrate the proper use of basic test equipment to include digital multimeters, oscilloscopes, and digital or analog signal sources.
- use a standard schematic diagram of an automated system to identify its digital or analog parts.
- explain common automated systems terminology for digital and analog devices.
- estimate automated system circuit performance using mathematical tools.
- analyze and compare calculated automated system circuit performance to actual performance.
- measure common automated system parameters using appropriate test equipment.
- set up and install basic automated system equipment.
- design proper preventive maintenance, calibration, and system testing procedures for automated equipment.
- perform proper preventive maintenance, calibration, and system testing on automated equipment.
- diagnose common automated system failures down to the source of the problem.
- solve automated system problems by replacing failed hardware or software parts.
- install, operate, and maintain modern control equipment such as Programmable Logic Controllers (PLC) and robotic controllers.

Career Information

This program is designed for students pursuing employment in the programming, testing, repair, and maintenance of digital and analog computer controlled systems.

A.S. in Telecommunications Technician

The Telecommunications Technician Program consists of courses from basic electronic concepts and safety to courses in modern communication systems and telecommunication licensing. The emphasis of this program is on modern digital high-speed communication. It is designed to prepare students for employment as technicians in the wired and wireless communication of electronic information.

Recommended High School Preparation: Courses in electricity, electronics, English, algebra, physics, chemistry, and computers.

Program Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies), a laboratory materials fee may be required. Students will be responsible for providing some electronic parts and purchasing a basic electronics tool kit, which is available from the Department. For specific class-required materials and texts, check with the electronics faculty or the College Store. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Degree Requirements

Course Code	Course Title	Units
ET 305	DC/AC Theory and Circuit Fundamentals	4
ET 306	Electronics Fabrication and Soldering Techniques	2
ET 314	Mathematics for DC/AC Theory and Circuit Fundamentals	3
ET 322	Semiconductors and Nanotechnology	4
ET 335	Integrated Circuits with Computer Applications	4
ET 340	Basic Microprocessors	4
ET 362	Modern Electronic Control Technology	3
ET 380	Introduction to Electronic Communications	4
ET 381	Electronic Communication Regulations	3
ET 390	Microprocessor Systems - Troubleshooting	3
ET 400	Microwave Communications Techniques	4
Total Units:		**38**

The Telecommunications Technician Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate safe work practices for telecommunication equipment.
- demonstrate the proper use of basic telecommunication test equipment to include digital multimeters, oscilloscopes, signal sources.
- use a standard schematic diagram of a telecommunication system to identify and test its parts.
- explain common telecommunication terminology.
- estimate telecommunication system circuit performance using mathematical tools.
- analyze and compare calculated telecommunication system circuit performance to actual performance.
- measure common telecommunication system circuit parameters using appropriate test equipment.
- set up and install basic telecommunication equipment.
- design proper preventive maintenance, calibration, and system testing procedures for telecommunication equipment.
- perform proper preventive maintenance, calibration, and system testing on telecommunication equipment.
- diagnose common telecommunication system failures down to the source of the problem.
- solve telecommunication system problems by replacing failed parts.
- install, operate, and maintain modern control equipment such Programmable Logic Controllers (PLC).
- examine and evaluate telecommunication systems according to FCC rules and regulations.

Career Information

This program is designed for students pursuing employment in the calibration, testing, repair, and maintenance of electronic communications equipment.

Certificates of Achievement

Automated Systems Technician Certificate

The Automated Systems Technician Program consists of courses from basic electronic concepts and safety to courses in computer and smart device controlled systems. It is designed to prepare students for employment in the automated manufacture, assembly, and testing of electronic circuit devices.

Recommended High School Preparation: Courses in electricity, electronics, English, algebra, physics, chemistry, and computers.

Program Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies), a laboratory materials fee may be required. Students will be responsible for providing some electronic parts and purchasing a basic electronics tool kit, which is available from the Department. For specific class-required materials and texts, check with the electronics faculty or the College Store. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Certificate Requirements

Course Code	Course Title	Units
CISC 310	Introduction to Computer Information Science	3
ET 192	Introduction to Robotics	2

Course Code	Course Title	Units
ET 305	DC/AC Theory and Circuit Fundamentals	4
ET 306	Electronics Fabrication and Soldering Techniques	2
ET 314	Mathematics for DC/AC Theory and Circuit Fundamentals	3
ET 322	Semiconductors and Nanotechnology	4
ET 335	Integrated Circuits with Computer Applications	4
ET 340	Basic Microprocessors	4
ET 362	Modern Electronic Control Technology	3
ET 390	Microprocessor Systems - Troubleshooting	3
ET 491	Electronics Projects Laboratory I	2
ET 492	Electronics Projects Laboratory II	2
Total Units:		**36**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate safe work practices for automated systems equipment.
- demonstrate the proper use of basic test equipment to include digital multimeters, oscilloscopes, and digital or analog signal sources.
- use a standard schematic diagram of an automated system to identify its digital or analog parts.
- explain common automated systems terminology for digital and analog devices.
- estimate automated system circuit performance using mathematical tools and simulation software.
- analyze and compare calculated automated system circuit performance to actual performance.
- measure common automated system parameters using appropriate test equipment.
- set up and install basic automated system equipment.
- design proper preventive maintenance, calibration, and system testing procedures for automated equipment.
- perform proper preventive maintenance, calibration, and system testing on automated equipment.
- diagnose common automated system failures down to the source of the problem.
- solve automated system problems by replacing failed hardware or software parts.
- install, operate, and maintain modern control equipment such as Programmable Logic Controllers (PLC) and robotic controllers.

Career Information

This program is designed for students pursuing employment in the programming, testing, repair, and maintenance of digital and analog computer controlled systems.

Telecommunications Technician Certificate

The Telecommunications Technician Program consists of courses from basic electronic concepts and safety to courses in modern communication systems and telecommunication licensing. The emphasis of this program is on modern digital high-speed communication. It is designed to prepare students for employment as technicians in the wired and wireless communication of electronic information.

Recommended High School Preparation: Courses in electricity, electronics, English, algebra, physics, chemistry, and computers.

Program Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies), a laboratory materials fee may be required. Students will be responsible for providing some electronic parts and purchasing a basic electronics tool kit, which is available from the Department. For specific class-required materials and texts, check with the electronics faculty or the College Store. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Certificate Requirements

Course Code	Course Title	Units
ET 305	DC/AC Theory and Circuit Fundamentals	4
ET 306	Electronics Fabrication and Soldering Techniques	2
ET 314	Mathematics for DC/AC Theory and Circuit Fundamentals	3
ET 322	Semiconductors and Nanotechnology	4
ET 335	Integrated Circuits with Computer Applications	4
ET 340	Basic Microprocessors	4
ET 362	Modern Electronic Control Technology	3
ET 380	Introduction to Electronic Communications	4
ET 381	Electronic Communication Regulations	3
ET 390	Microprocessor Systems - Troubleshooting	3
ET 400	Microwave Communications Techniques	4
Total Units:		**38**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate safe work practices for telecommunication equipment.
- demonstrate the proper use of basic telecommunication test equipment to include digital multimeters, oscilloscopes, signal sources.
- use a standard schematic diagram of a telecommunication system to identify and test its parts.
- explain common telecommunication terminology.
- estimate telecommunication system circuit performance using mathematical tools.
- analyze and compare calculated telecommunication system circuit performance to actual performance.
- measure common telecommunication system circuit parameters using appropriate test equipment.
- set up and install basic telecommunication equipment.

- design proper preventive maintenance, calibration, and system testing procedures for telecommunication equipment.
- perform proper preventive maintenance, calibration, and system testing on telecommunication equipment.
- diagnose common telecommunication system failures down to the source of the problem.
- solve telecommunication system problems by replacing failed parts.
- install, operate, and maintain modern control equipment such Programmable Logic Controllers (PLC).
- examine and evaluate telecommunication systems according to FCC rules and regulations.

Career Information

This program is designed for students pursuing employment in the calibration, testing, repair, and maintenance of electronic communications equipment.

Electronics Technology (ET) Courses

ET 140 Smart Computing Device System Repair I

Units: 4
Hours: 48 hours LEC; 72 hours LAB
Prerequisite: None.

This is an introductory course to smart computing system repair. The course will begin with an overview of the history of computing systems and repair. Information of common computer system repair, nomenclature, diagnostic software, and the theory of computing systems operations will be covered. The course will also introduce the student to the use of the Internet for locating technical repair documentation on the Web.

ET 141 Smart Computing Device System Repair II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ET 140 with a grade of "C" or better

This is a second course in a series of two designed to train students in the advanced skills needed in the installation, maintenance, and repair of modern computer smart devices and systems.

ET 192 Introduction to Robotics

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.

This course is an introduction to robotics utilizing various robotic systems. It explores how robots and microcontrollers interface with common electronic applications. It also investigates various applications for robots and microcontrollers. One or two field trips to local manufacturing facility such as Siemens Transportation may be required.

ET 210 Applied Mathematics for Electronics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This is a basic course for those interested in cabling and installation electronics who do not meet the requirements for ET 314. Units of instruction include DC and AC circuit application mathematics, scientific calculators, powers of ten, and introduction to algebraic concepts as related to electronics.

ET 220 A Survey of AC and DC Circuit Fundamentals

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: ET 210 and 230 with grades of "C" or better or equivalent.

This course is designed to provide instruction in the basic concepts of AC and DC theory including a study of resistors, capacitors, and inductors in series and parallel circuits. Laboratory use of meters, oscilloscopes, signal generators, and power supplies will be emphasized.

ET 230 Laboratory Practices and Techniques

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Advisory: Concurrent enrollment in ET 210.

This course provides instruction in the language of electronics, safe and efficient use of tools, equipment, and chemical processes used in the laboratory including: high voltage precautions, printed circuit fabrication, equipment panel fabrication silkscreen, and state-of-the-art soldering techniques.

ET 240 A Survey of Semiconductor Theory

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: ET 220 with a grade of "C" or better or equivalent.

This course provides a survey of diodes, transistors, FET's, and linear and digital IC's and how they are installed and used in modern electronic equipment. Laboratory will stress the hands-on manufacturing and troubleshooting of modern electronic equipment.

ET 295 Independent Studies in Electronics Technology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

Independent study of an electronic topic or research project. This course is for students who wish to develop an in-depth understanding in fundamental topics of electronics technology and learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course.

ET 299 Experimental Offering in Electronics Technology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ET 305 DC/AC Theory and Circuit Fundamentals

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Corequisite: ET 306 and 314
Transferable: CSU

This course is designed to provide instruction in the concepts of DC and AC theory including a study of the composition of matter, circuit fundamentals, voltage, current, resistance in series, parallel, and combination circuit configurations. Laboratory activities provide hands-on projects that include operation and use of electronic equipment used by industry.

ET 306 Electronics Fabrication and Soldering Techniques

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: Successful completion of or concurrent enrollment in ET 305.
Transferable: CSU

This course covers the skills needed for identification and the safe and efficient use of hand tools and soldering equipment used in basic electronics repair. Familiarization with fabrication, soldering/de-soldering techniques, electrostatic discharge (ESD), assembly, and safety practices are covered.

ET 314 Mathematics for DC/AC Theory and Circuit Fundamentals

Units: 3
Hours: 54 hours LEC
Prerequisite: One year of high school algebra with a grade of "C" or better, or qualifying mathematics assessment test scores or equivalent.
Corequisite: ET 305
Transferable: CSU
General Education: AA/AS Area II(b)

This course focuses on the application of and analysis by algebra and trigonometry to solve electronic problems in DC and AC circuits. This course was formerly known as ET 310 and ET 311.

ET 315 Mathematics for Semiconductor Theory

Units: 3
Hours: 54 hours LEC
Prerequisite: ET 305, 306, and 314 with grades of "C" or better; or equivalent.
Advisory: Concurrent enrollment in ET 322 and 335.
Transferable: CSU

This course provides a detailed study of the mathematics required to solve problems in semiconductor circuit theory. Some of these math functions include: vector algebra, load line plotting, decibel theory and application, common and natural log functions, power supply analysis, calculation of input and output bandwidth characteristics of semiconductor amplifiers, use of rate-of-change functions to study slope of lines and their relationship to amplifier impedances, and use of network theorems to simplify complex biasing networks for amplifiers.

ET 322 Semiconductors and Nanotechnology

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: ET 305 with a grade of "C" or better
Corequisite: ET 314; completion of or concurrent enrollment in ET 314
Transferable: CSU

This course is a detailed study of semiconductor devices and their applications. Semiconductor components - such as diodes, transistors, op-amps, including their use in complex circuits - are covered. Nanotechnology theory and devices, including their present and possible future applications, are studied. One or two field trips may be required. This course was formerly known as ET 320.

ET 335 Integrated Circuits with Computer Applications

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: ET 305 with a grade of "C" or better
Transferable: CSU

This course covers integrated circuits (ICs) and applications used in industrial and consumer products. Topics include digital theory and applications from standard transistor-transistor logic (TTL) logic circuits to complex circuits built on programmable logic devices (PLDs). One or two field trips may be required. This course was formerly known as ET 330.

ET 340 Basic Microprocessors

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This is a beginning course dealing with the circuitry and use of the microprocessor. Peripheral hardware is also considered so that the student may gain an overview of a complete computer system. The scope of the course includes machine language programming in order to provide a base for understanding the dynamic operation of the entire system. Troubleshooting philosophy is emphasized.

ET 350 Receiver Circuits

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: ET 315, 322, and 335 with grades of "C" or better or equivalent.
Transferable: CSU

This course focuses on the principles of radio receivers using AM, FM, and single sideband modulation systems. The course presents associated control circuits and power supply circuitry for receivers.

ET 360 Electronic Servicing and Calibration Techniques

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: ET 315, 322, and 335 with grades of "C" or better or equivalent.
Transferable: CSU

This course focuses on developing familiarization with laboratory and test instruments and techniques of calibration and repair. It is a practical step-by-step approach for the beginning technician in the art of troubleshooting techniques on all the electronic equipment available in the electronics laboratory.

ET 362 Modern Electronic Control Technology

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Corequisite: ET 305; or prior completion of with a grade of “C” or better.
Transferable: CSU

This course introduces the principles and applications of automatic control systems. Topics include general feedback control systems, analog control systems, digital control systems, Programmable logic controller (PLC) systems, sensors, and actuators. One or two field trips may be required.

ET 380 Introduction to Electronic Communications

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: ET 314 and 322 with grades of "C" or better
Transferable: CSU

This course covers electronic communications including UHF, VHF, microwave, satellite, and fiber optics. AM and FM transmitters, transmission lines, antennas, and receivers are analyzed down to the component level. Propagation, wave theory, decibels, and signal transmission limitations are also covered. Technician safety and proper test equipment use are stressed throughout the course. Field trips may be required.

ET 381 Electronic Communication Regulations

Units: 3
Hours: 54 hours LEC
Prerequisite: ET 322 with a grade of "C" or better
Advisory: ET 380 with a grade of "C" or better
Transferable: CSU

This course provides an overview of the Federal Communication Commission (FCC) General Radiotelephone license requirements. It also covers the electronics theory and the rules and regulations mandated by the FCC.

ET 390 Microprocessor Systems - Troubleshooting

Units: 3
Hours: 18 hours LEC; 108 hours LAB
Prerequisite: ET 340 with a grade of "C" or better or equivalent.
Transferable: CSU

This course will focus on the principles of microprocessor system control and troubleshooting. Study will include measurement transducers, analog-to-digital and digital-to-analog converters, power supplies, and power users. The design, construction, repair, and operation of a semester lab project controlled by a microprocessor, microcontroller, or a smart digital device will be covered.

ET 400 Microwave Communications Techniques

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: ET 315, 322, and 335 with grades of "C" or better or equivalent.
Transferable: CSU

This course is a study of electromagnetic waves and antennas. The course presents types of microwave generators, microwave communications systems, and antenna guidance systems. The use of lasers and fiber optics in communications systems and as a source of high tech energy control are presented.

ET 410 Transmitter Fundamentals

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: ET 315, 322, and 335 with grades of "C" or better or equivalent.
Transferable: CSU

This is a fundamental course in AM/FM and single side-band transmitters. The course will present students with preparation for employment in the communications industry. It will include instruction in adjustment and tuning of transmitters. Students are presented with symptoms of malfunctions and remedies in troubleshooting transmitters.

ET 491 Electronics Projects Laboratory I

Units: 2
Hours: 108 hours LAB
Prerequisite: None.
Corequisite: ET 306; Students may have completed ET 306 previously.
Transferable: CSU

This course provides an opportunity for students to pursue typical electronics projects to learn and practice skills needed

in the construction, installation, maintenance, and repair of electronic devices.

ET 492 Electronics Projects Laboratory II

Units: 2
Hours: 108 hours LAB
Prerequisite: None.
Corequisite: ET 306; Students may have completed ET 306 previously.
Transferable: CSU

This course provides an opportunity for students to develop and practice skills necessary for the construction, installation, maintenance, and repair of electronic devices. Students will develop, design, and construct a project under the guidance of the instructor.

ET 494 Topics in Electronics Technology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is a specialized course developed in cooperation with industry to address emerging training needs. Units are awarded on the basis of .5 unit for each 9 hours of lecture or 27 hours of lab.

ET 495 Independent Studies in Electronics Technology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

Independent study of an electronic topic or research project. This course is for students who wish to develop an in-depth understanding in fundamental topics of electronics technology and learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course.

ET 498 Work Experience in Electronics Technology

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Education Code Title V regulations, a student cannot earn academic credits in a Work Experience class unless s/he has either a job or an internship.
Transferable: CSU

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

ET 499 Experimental Offering in Electronics Technology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Engineering

The Engineering Associate in Science degree is designed to meet lower division requirements for various majors in engineering. Completion of the Associate in Science degree should qualify the student to transfer at the upper division level to an engineering program at a four-year institution. The degree has a common engineering core requirement as well as specific field requirements. The specific field requirements do vary depending on the four-year institution to which the student will transfer. Thus, requirements for specific universities should be checked before selecting specific field courses.

Degrees Offered

A.S. in Engineering, Civil Engineering

A.S. in Engineering, Electrical/Computer Engineering

A.S. in Engineering, General

A.S. in Engineering, Mechanical/Aeronautical Engineering

Dean Angelena Lambert

Department Chair Eric Wyles

Phone (916) 558-2202

Email Rebeca.Rodriguez@scc.losrios.edu

Associate Degrees

A.S. in Engineering, Civil Engineering

The Engineering Associate in Science degree is designed to meet lower division requirements for various majors in engineering. Completion of the Associate in Science degree should qualify the student to transfer at the upper division level to an engineering program at a four-year institution. The degree has a common engineering core requirement as well as specific field requirements. The specific field requirements do vary depending on the four-year institution to which the student will transfer. Thus, requirements for specific universities should be checked before selecting specific field courses.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I	5
ENGR 300	Introduction to Engineering	1
ENGR 312	Engineering Graphics	3
ENGR 405	Engineering Problem Solving (3)	3 - 4
or CISP 360	Introduction to Structured Programming (4)	
ENGR 412	Properties of Materials	4
ENGR 422	Engineering Mechanics, Statics	3
MATH 400	Calculus I	5
MATH 401	Calculus II	5
MATH 402	Calculus III	5
MATH 420	Differential Equations	4
PHYS 410	Mechanics of Solids and Fluids	5
PHYS 420	Electricity and Magnetism	5
Subtotal Units:		**48 - 49**

Additional Civil Engineering Requirements (Consult Engineering Department Chair and Counseling)

Course Code	Course Title	Units
ENGR 310	Engineering Survey Measurements (4)	3 - 4
or ENGR 400	Introduction to Electrical Circuits and Devices (3)	
MATH 410	Introduction to Linear Algebra	3
PHYS 430	Heat, Waves, Light and Modern Physics (5)	5
or CHEM 401	General Chemistry II (5)	
Additional Civil Engineering Requirements (Consult Engineering Department Chair and Counseling) Units:		11 - 12
Total Units:		**59 - 61**

The Engineering, Civil Engineering Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- solve problems by applying knowledge of mathematics including differential and integral calculus, differential equations, and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance productivity.
- apply knowledge of mathematics, science, and engineering to identify, formulate, and solve basic civil engineering problems.
- demonstrate an understanding of the ethical and professional responsibilities of an engineer and how engineering solutions can impact society.
- communicate thoughts in both written and oral forms to team members and larger audiences.
- seek transfer at the junior level into a Civil Engineering program at a four-year institution.

A.S. in Engineering, Electrical/Computer Engineering

The Engineering Associate in Science degree is designed to meet lower division requirements for various majors in engineering. Completion of the Associate in Science degree should qualify the student to transfer at the upper division

level to an engineering program at a four-year institution. The degree has a common engineering core requirement as well as specific field requirements. The specific field requirements do vary depending on the four-year institution to which the student will transfer. Thus, requirements for specific universities should be checked before selecting specific field courses.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I	5
ENGR 300	Introduction to Engineering	1
ENGR 400	Introduction to Electrical Circuits and Devices	3
ENGR 405	Engineering Problem Solving (3)	3 - 4
or CISP 360	Introduction to Structured Programming (4)	
MATH 400	Calculus I	5
MATH 401	Calculus II	5
MATH 402	Calculus III	5
MATH 420	Differential Equations	4
PHYS 410	Mechanics of Solids and Fluids	5
PHYS 420	Electricity and Magnetism	5
Subtotal Units:		**41 - 42**

Additional Electrical/Computer Engineering Requirements (Consult Engineering Department Chair and Counseling)

Course Code	Course Title	Units
CISP 310	Assembly Language Programming for Microcomputers	4
ENGR 412	Properties of Materials	4
ENGR 422	Engineering Mechanics, Statics	3
MATH 410	Introduction to Linear Algebra	3
PHYS 430	Heat, Waves, Light and Modern Physics (5)	5
or CHEM 401	General Chemistry II (5)	
Additional Electrical/Computer Engineering Requirements (Consult Engineering Department Chair and Counseling) Units:		19
Total Units:		**60 - 61**

The Engineering, Electrical/Computer Engineering Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- solve problems by applying knowledge of mathematics including differential and integral calculus, differential equations, and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance productivity.
- apply knowledge of mathematics, science, and engineering to identify, formulate, and solve basic electrical/computer engineering problems.
- demonstrate an understanding of the ethical and professional responsibilities of an engineer and how engineering solutions can impact society.
- communicate thoughts in both written and oral forms to team members and larger audiences.
- seek transfer at the junior level into an Electrical/Computer Engineering program at a four-year institution.

A.S. in Engineering, General

The Engineering Associate in Science degree is designed to meet lower division requirements for various majors in engineering. Completion of the Associate in Science degree should qualify the student to transfer at the upper division level to an engineering program at a four-year institution. The degree has a common engineering core requirement as well as specific field requirements. The specific field requirements do vary depending on the four-year institution to which the student will transfer. Thus, requirements for specific universities should be checked before selecting specific field courses.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I	5
ENGR 300	Introduction to Engineering	1
ENGR 400	Introduction to Electrical Circuits and Devices	3
ENGR 405	Engineering Problem Solving (3)	3 - 4
or CISP 360	Introduction to Structured Programming (4)	
MATH 400	Calculus I	5
MATH 401	Calculus II	5
MATH 402	Calculus III	5
MATH 420	Differential Equations	4
PHYS 410	Mechanics of Solids and Fluids	5
PHYS 420	Electricity and Magnetism	5
Subtotal Units:		**41 - 42**

Additional General Engineering Requirements (Consult Engineering Department Chair and Counseling)

Course Code	Course Title	Units
ENGR 312	Engineering Graphics	3
ENGR 412	Properties of Materials	4
ENGR 422	Engineering Mechanics, Statics	3
MATH 410	Introduction to Linear Algebra	3
PHYS 430	Heat, Waves, Light and Modern Physics (5)	5
or CHEM 401	General Chemistry II (5)	
Additional General Engineering Requirements (Consult Engineering Department Chair and Counseling) Units:		18
Total Units:		**59 - 60**

The Engineering, General Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- solve problems by applying knowledge of mathematics including differential and integral calculus, differential equations, and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance productivity.
- apply knowledge of mathematics, science, and engineering to identify, formulate, and solve basic engineering problems.
- demonstrate an understanding of the ethical and professional responsibilities of an engineer and how engineering solutions can impact society.
- communicate thoughts in both written and oral forms to team members and larger audiences.
- seek transfer at the junior level into an Engineering program at a four-year institution.

A.S. in Engineering, Mechanical/ Aeronautical Engineering

The Engineering Associate in Science degree is designed to meet lower division requirements for various majors in engineering. Completion of the Associate in Science degree should qualify the student to transfer at the upper division level to an engineering program at a four-year institution. The degree has a common engineering core requirement as well as specific field requirements. The specific field requirements do vary depending on the four-year institution to which the student will transfer. Thus, requirements for specific universities should be checked before selecting specific field courses.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I	5
ENGR 300	Introduction to Engineering	1
ENGR 312	Engineering Graphics	3
ENGR 400	Introduction to Electrical Circuits and Devices	3
ENGR 405	Engineering Problem Solving (3)	3 - 4
or CISP 360	Introduction to Structured Programming (4)	
ENGR 412	Properties of Materials	4
ENGR 422	Engineering Mechanics, Statics	3
MATH 400	Calculus I	5
MATH 401	Calculus II	5
MATH 402	Calculus III	5
MATH 420	Differential Equations	4
PHYS 410	Mechanics of Solids and Fluids	5
PHYS 420	Electricity and Magnetism	5
Subtotal Units:		**51 - 52**

Additional Mechanical/Aeronautical Engineering Requirements (Consult Engineering Department Chair and Counseling)

Course Code	Course Title	Units
MATH 410	Introduction to Linear Algebra	3
PHYS 430	Heat, Waves, Light and Modern Physics (5)	5
or CHEM 401	General Chemistry II (5)	
Additional Mechanical/Aeronautical Engineering Requirements (Consult Engineering Department Chair and Counseling) Units:		8
Total Units:		**59 - 60**

The Engineering, Mechanical/Aeronautical Engineering Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- solve problems by applying knowledge of mathematics including differential and integral calculus, differential equations, and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance productivity.

- apply knowledge of mathematics, science, and engineering to identify, formulate, and solve basic mechanical/aeronautical engineering problems.
- demonstrate an understanding of the ethical and professional responsibilities of an engineer and how engineering solutions can impact society.
- communicate thoughts in both written and oral forms to team members and larger audiences.
- seek transfer at the junior level into a Mechanical/ Aeronautical Engineering program at a four-year institution.

Engineering (ENGR) Courses

ENGR 300 Introduction to Engineering

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU; UC

This course provides an introduction to the different engineering disciplines and careers, the role of the engineer in society, the engineering approach to problem solving, the design process, and engineering ethics. The development of effective communication and study skills required of engineers is emphasized. This course is required of most engineering majors.

ENGR 310 Engineering Survey Measurements

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: MATH 335 or 373 with a grade of "C" or better
Advisory: Completion of or concurrent enrollment in a basic drafting course such as ENGR 312.
Transferable: CSU; UC
C-ID: C-ID ENGR 180

This course covers the basic fundamentals of surveying for engineers. This includes the theory and practice of measurements for distance, elevations and angles, analysis and adjustment of errors (systematic and random), and traverse calculation and adjustments. Additional topics include discussions on profiles and cross-sections, horizontal curves, and vertical curves. This course has an indoor lecture component as well as a required outdoor field component. This course is designed for engineering students and is usually required for civil engineering majors depending on the transfer institution.

ENGR 312 Engineering Graphics

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: MATH 335 or 373 with a grade of "C" or better
Advisory: It is expected that the student has experience and knowledge of the use of a personal computer.
Transferable: CSU; UC
C-ID: C-ID ENGR 150

This course provides fundamental training in the use of hand-drawing instruments and Computer Aided Design/Drafting (CADD) software to analyze, interpret, and solve engineering problems. Topics covered include elements of drafting, descriptive geometry, multi-view drawing, design process, and solution of engineering problems, culminating in a design project.

ENGR 400 Introduction to Electrical Circuits and Devices

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 420 and PHYS 420 with grades of "C" or better; students may be enrolled in MATH 420 concurrently
Transferable: CSU; UC
C-ID: C-ID ENGR 260

This course provides the engineering student with the basic fundamentals of DC and sinusoidal electrical circuit theory and analysis. The following circuit elements are covered: resistors, capacitors, inductors, independent sources, and dependent sources. Topics that are covered include circuit analysis techniques, sinusoidal analysis, phasors, Thevenin and Norton equivalence, natural and step response of first-and second-order circuits, three-phase analysis, complex power, and operational amplifiers.

ENGR 405 Engineering Problem Solving

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MATH 401 with a grade of "C" or better or concurrent enrollment in MATH 401.
Advisory: It is expected that the student has experience and knowledge in the use of a personal computer.
Transferable: CSU; UC

This course provides an introduction to the use of computers in solving engineering problems using MATLAB. Students will learn to use basic programming techniques including program control, relational and logical operators, selection scripting, and file management while implementing computational solutions.

ENGR 412 Properties of Materials

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: CHEM 400 and PHYS 410 with grades of "C" or better
Transferable: CSU; UC
C-ID: C-ID ENGR 140B

This course covers atomic and crystal structures and mechanical, electrical, and magnetic properties of engineering materials. Also covered are steady and non-steady state diffusion, phase diagram analysis, heat treatment of metals, and corrosion. Laboratory exercises cover both destructive and non-destructive testing of materials.

ENGR 422 Engineering Mechanics, Statics

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 401 and PHYS 410 with grades of "C" or better
Transferable: CSU; UC
C-ID: C-ID ENGR 130

This is the first course in engineering mechanics. Topics in this course include two and three dimensional force system analysis using vector techniques, moments and couples in two and three dimensions, centroids and moment of inertia, friction, forces in beams, and truss analysis. This course is required for Mechanical, Civil, and Aeronautical Engineering transfer students and by some Electrical Engineering programs.

ENGR 495 Independent Studies in Engineering

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small group of students in study, research, or activities beyond the scope of regularly offered courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ENGR 499 Experimental Offering in Engineering

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Engineering Design Technology

The Engineering Design Technology Department teaches courses in (1) building architectural, mechanical, electrical, plumbing and piping design and drafting for residential and commercial buildings and (2) CAD programs such as AutoCAD, REVIT, and CREO (Pro/E) software for work in any industry which utilizes CAD.

After completing the EDT Program, students can (1) work as designers and drafters in the fields of Architecture and Engineering with a two-year degree or (2) enhance their skills and knowledge of building design prior to transfer to a four-year institution to continue work toward an architectural or engineering degree (3) work in any industry where Computer-Aided Drafting (CAD) is used.

Degrees and Certificates Offered

A.S. in Architectural/Structural Design

A.S. in Electric (Power-Lighting Systems)

A.S. in Engineering Design Technology

A.S. in Mechanical (HVAC/Piping/Plumbing Systems)

A.S. in Surveying/Geomatics

Architectural/Structural Design Certificate

CAD Technology Certificate

Electric (Power-Lighting Systems) Certificate

Engineering Design Technology Certificate

Mechanical (HVAC/Piping/Plumbing Systems) Certificate

Surveying/Geomatics Certificate

Dean Angelena Lambert

Department Chair Kenneth Fitzpatrick

Phone (916) 650-2758

Email FitzpaK@scc.losrios.edu

Associate Degrees

A.S. in Architectural/Structural Design

This degree is designed for students pursuing employment or upgrade in employment in the fields of building Architectural design utilizing CAD design and drafting applications in architectural, engineering, manufacturing, or construction related offices.

Some students may also pursue four-year degrees in Architecture, Engineering, Manufacturing, Construction, or Project Management.

Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses.

Program Costs: Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

Degree Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 320	Architectural/Structural Drafting	4
A minimum of 6 units from the following:		6
EDT 332	Building Mechanical Design Documents (3)	
EDT 336	Building Mechanical Systems Design (3)	
EDT 340	Plumbing and Piping Systems Design I (3)	
EDT 342	Plumbing and Piping Systems Design II (3)	
EDT 352	Building Electrical Design Documents (3)	
EDT 356	Building Electrical Systems Design (3)	
EDT 498	Work Experience in Engineering Design Technology (0.5 - 4)	
MATH 335	Trigonometry with College Algebra (5)	
SURVY 300	Elementary Surveying (4)	
SURVY 310	Survey Map Production (4)	
Total Units:		**25**

The Architectural/Structural Design Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- prepare architectural plans for buildings using CAD software that conform with current industry standards.
- demonstrate the process of architectural design by applying design principles to building design projects.
- demonstrate application of CAD software programs used by industry in the design process.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT, and CREO) by preparing 3D computer engineering and architectural models.

Career Information

Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer, Electrical Drafter/Designer, Structural Drafter/Designer, Topographical Drafter/Designer, General Construction Drafter/Designer, General Construction Estimator, Computer Aided Drafter, or Technical Sales representatives. Some students may also pursue four-year degrees in Architecture, Engineering, Manufacturing, Construction, or Project Management.

A.S. in Electric (Power-Lighting Systems)

This degree is designed for students pursuing employment or upgrade in employment in the fields of (1) building Electrical power and lighting systems design or (2) mechanical component design utilizing 2D and 3D CAD design and drafting software applications in architectural, engineering, manufacturing, or construction related offices.

Some students may also pursue four-year degrees in Architecture, Engineering, Manufacturing, Construction, or Project Management.

Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses. General Education courses complete the recommended classes for the Engineering Design Technology curriculum.

Program Costs: Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

Degree Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 352	Building Electrical Design Documents	3
EDT 356	Building Electrical Systems Design	3
A minimum of 6 units from the following:		6
EDT 320	Architectural/Structural Drafting (4)	
EDT 332	Building Mechanical Design Documents (3)	
EDT 336	Building Mechanical Systems Design (3)	
EDT 340	Plumbing and Piping Systems Design I (3)	
EDT 342	Plumbing and Piping Systems Design II (3)	
EDT 498	Work Experience in Engineering Design Technology (0.5 - 4)	
MATH 335	Trigonometry with College Algebra (5)	
SURVY 300	Elementary Surveying (4)	
SURVY 310	Survey Map Production (4)	
Total Units:		**27**

The Electric (Power-Lighting Systems) Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- perform design calculations and prepare electrical plans for building electrical systems that conform with current industry and ANSI standards.
- demonstrate the process of electrical design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT and CREO) by preparing 3D computer engineering and architectural models.
- demonstrate the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

Career Information

This program is designed for students pursuing entry level employment in architectural, electrical, and mechanical engineering, and commercial construction drafting fields. Some students may also pursue four-year degrees in Architecture, Engineering, Construction, or Project Management. Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

A.S. in Engineering Design Technology

This degree is designed for students pursuing employment or upgrade in employment in the fields of component design or building design utilizing CAD drafting applications in architectural, engineering, manufacturing, or construction related offices.

Some students may also pursue four-year degrees in

Architecture, Engineering, Construction, or Project Management.

Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses. General Education courses complete the recommended classes for the Engineering Design Technology curriculum.

Program Costs: Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or 558-2491.

Transfer Students: Students who, after completing this program, are planning to continue specialization in this field by transferring to a four-year college, should consult the Requirements of Transfer Institutions section in this catalog and the engineering or related major sections of the specific catalog for the institution to which they wish to transfer. Consultation with an SCC counselor is advised.

Degree Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 320	Architectural/Structural Drafting	4
EDT 332	Building Mechanical Design Documents	3
EDT 336	Building Mechanical Systems Design	3
EDT 340	Plumbing and Piping Systems Design I	3
EDT 342	Plumbing and Piping Systems Design II	3
EDT 352	Building Electrical Design Documents	3
EDT 356	Building Electrical Systems Design	3
Total Units:		**37**

The Engineering Design Technology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- prepare architectural, mechanical, and electrical plans for buildings that conform with current industry and ANSI standards.
- demonstrate the processes of building architectural, mechanical, and electrical design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT, and CREO) by preparing 3D computer engineering and architectural models.
- demonstrate the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

Career Information

This program is designed for students pursuing entry level employment in Architecture, Electrical and Mechanical Engineering, and commercial construction drafting fields. Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives. Some students may also pursue four-year degrees in Architecture, Engineering, Construction, or Project Management.

A.S. in Mechanical (HVAC/Piping/Plumbing Systems)

This degree is designed for students pursuing employment or upgrade in employment in the fields of (1) building Mechanical design (Heating, Ventilation, and Air Conditioning HVAC, Plumbing and Piping or (2) mechanical component design utilizing 2D and 3D CAD design and drafting software applications in architectural, engineering, manufacturing, or construction related offices.

Some students may also pursue four-year degrees in Architecture, Engineering, Manufacturing, Construction, or Project Management.

Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses. General Education courses complete the recommended classes for the Engineering Design Technology curriculum.

Program Costs: Normal student expenses for textbooks, personal equipment and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English

and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

Degree Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 332	Building Mechanical Design Documents	3
EDT 336	Building Mechanical Systems Design	3
EDT 340	Plumbing and Piping Systems Design I	3
EDT 342	Plumbing and Piping Systems Design II	3
A minimum of 5 units from the following:		5
EDT 320	Architectural/Structural Drafting (4)	
EDT 352	Building Electrical Design Documents (3)	
EDT 356	Building Electrical Systems Design (3)	
EDT 498	Work Experience in Engineering Design Technology (0.5 - 4)	
MATH 335	Trigonometry with College Algebra (5)	
SURVY 300	Elementary Surveying (4)	
SURVY 310	Survey Map Production (4)	
Total Units:		**32**

The Mechanical (HVAC/Piping/Plumbing Systems) Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- perform design calculations and prepare mechanical and plumbing plans for building mechanical and plumbing systems that conform with current industry and ANSI standards.
- demonstrate the processes of mechanical and plumbing design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT, and CREO) by preparing 3D computer engineering and architectural models.
- demonstrate the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

Career Information

This program is designed for students pursuing entry level employment in architecture, electrical and mechanical engineering, and commercial construction fields. Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives. Some students may also pursue four-year degrees in Architecture, Engineering, Construction or Project Management.

A.S. in Surveying/Geomatics

The curriculum provides the student with instruction in survey theory and fundamentals of office and field practice. The objective is to prepare students for employment as described above. Material is sufficient, when coupled with the legally required experience, to prepare the student for the State licensing examinations conducted by The Board of Registration for Professional Engineers. There are numerous specialties in survey employment, and early counseling is suggested to help select the proper optional classes.

Recommended High School Preparation: Courses in algebra, trigonometry, physics, and geography.

Degree Requirements

Course Code	Course Title	Units
SURVY 300	Elementary Surveying	4
SURVY 320	Advanced Survey	4
SURVY 330	Special Surveying Projects	4
SURVY 340	Basics of Photogrammetry	3
SURVY 350	Boundary Control and Legal Principles	4
SURVY 352	Evidence and Procedures for Boundary Location	4
A minimum of 3 units from the following:		3
SURVY 310	Survey Map Production (4)	
SURVY 360	Survey Business Practices (3)	
Total Units:		**26**

The Surveying/Geomatics Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- operate all surveying measurement instruments commonly in use within the profession.
- demonstrate a knowledge of the techniques and methodology of surveying measurement.
- select appropriate survey measuring instruments to accurately complete a variety of surveying projects.

- list specific requirements of local agencies for approval and filing of survey maps such as, record of surveys, parcel maps, subdivision maps, preliminary and final maps, and also improvement plans.
- demonstrate an understanding of boundary surveying and photogrammetric surveys, theory of geodetic and control surveys, Global Positioning Systems, Geographic Information System and electronic surveys.
- demonstrate knowledge of statutory and common law regulating the surveying industry.
- discuss various types of land ownership and classify effects and intent of various land transfers and transactions.
- prepare and interpret different forms of legal descriptions of land ownership and transfer.

Career Information

Students may find employment in field jobs as surveyor assistants to do specific jobs as rod, chain, level, and instrument person and notekeeper. In office jobs, students may do survey computations, draw maps of property lines, topographic maps and profiles of construction sites, and compute acreage. Employers are private survey and engineering firms and government agencies throughout the United States. Job titles are Boundary, Technicians, Survey Technicians, Engineering Technicians, Engineering Aide, and Survey Aide.

Certificates of Achievement

Architectural/Structural Design Certificate

This Certificate of Achievement is designed for students pursuing employment or upgrade in employment in the fields of building Architectural design utilizing CAD design and drafting applications in architectural, engineering, manufacturing, or construction related offices.

Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses.

Program Costs: Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

Certificate Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 320	Architectural/Structural Drafting	4
A minimum of 6 units from the following:		6
EDT 332	Building Mechanical Design Documents (3)	
EDT 336	Building Mechanical Systems Design (3)	
EDT 340	Plumbing and Piping Systems Design I (3)	
EDT 342	Plumbing and Piping Systems Design II (3)	
EDT 352	Building Electrical Design Documents (3)	
EDT 356	Building Electrical Systems Design (3)	
EDT 498	Work Experience in Engineering Design Technology (0.5 - 4)	
MATH 335	Trigonometry with College Algebra (5)	
SURVY 300	Elementary Surveying (4)	
SURVY 310	Survey Map Production (4)	
Total Units:		**25**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- prepare architectural plans for buildings using CAD software that conform with current industry standards.
- demonstrate the process of architectural design by applying design principles to building design projects.
- demonstrate application of CAD software programs used by industry in the design process.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT, and CREO) by preparing 3D computer engineering and architectural models.

Career Information

This program is designed for students pursuing entry level employment in architectural, electrical and mechanical engineering, and commercial construction drafting fields. Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

CAD Technology Certificate

This certificate is designed for students pursuing employment or upgrade in employment in fields that utilize CAD software to

perform design, modeling, and drafting, including but not limited to: architecture, engineering, manufacturing, research and construction.

Program Costs: Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

Certificate Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 315	Beginning 3D Modeling-SolidWorks	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 319	Advanced 3D Modeling/Rapid Prototyping	3
Total Units:		**21**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- use CAD and modeling software to the fields of architecture and engineering design, modeling, manufacturing, and construction.
- utilize CAD and modeling software to prepare computer models and design drawings of architectural and engineering related projects.

Career Information

This certificate is designed for students pursuing entry-level employment or upgrade in employment in fields that utilize CAD software to perform design, modeling and drafting, including but not limited to: Architecture, Engineering, Manufacturing, Research, and Construction. Depending on their technical field of interest and capabilities, students who complete the certificate may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainee, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

Electric (Power-Lighting Systems) Certificate

This Certificate of Achievement is designed for students pursuing employment or upgrade in employment in the fields of (1) building Electrical power and lighting systems design or (2) mechanical component design utilizing 2D and 3D CAD design and drafting software applications in architectural, engineering, manufacturing, or construction related offices.

Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses.

Program Costs: Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

Certificate Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 352	Building Electrical Design Documents	3
EDT 356	Building Electrical Systems Design	3
A minimum of 6 units from the following:		6
EDT 320	Architectural/Structural Drafting (4)	
EDT 332	Building Mechanical Design Documents (3)	
EDT 336	Building Mechanical Systems Design (3)	
EDT 340	Plumbing and Piping Systems Design I (3)	
EDT 342	Plumbing and Piping Systems Design II (3)	
EDT 498	Work Experience in Engineering Design Technology (0.5 - 4)	
MATH 335	Trigonometry with College Algebra (5)	
SURVY 300	Elementary Surveying (4)	
SURVY 310	Survey Map Production (4)	
Total Units:		**27**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- perform design calculations and prepare electrical plans for building electrical systems that conform with current industry and ANSI standards.
- demonstrate the process of building electrical design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT and CREO) by preparing 3D computer engineering and architectural models.
- demonstrate the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

Career Information

This program is designed for students pursuing entry level employment in architectural, electrical and mechanical engineering, manufacturing, or commercial construction fields. Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

Engineering Design Technology Certificate

This Certificate of Achievement is designed for students pursuing employment or upgrade in employment in the fields of building design utilizing CAD drafting applications in architectural, engineering, manufacturing, or construction related offices.

Engineering Design Technology is studied in lecture and computer-aided drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses. General Education courses complete the recommended classes for the Engineering Design Technology curriculum.

Program Costs: Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

Certificate Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 320	Architectural/Structural Drafting	4
EDT 332	Building Mechanical Design Documents	3
EDT 336	Building Mechanical Systems Design	3
EDT 340	Plumbing and Piping Systems Design I	3
EDT 342	Plumbing and Piping Systems Design II	3
EDT 352	Building Electrical Design Documents	3
EDT 356	Building Electrical Systems Design	3
Total Units:		**37**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- prepare architectural, mechanical, and electrical plans for buildings that conform with current industry and ANSI standards.
- demonstrate the process of building architectural, mechanical, and electrical design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT and CREO) by preparing 3D computer engineering and architectural models.
- explain the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

Career Information

This program is designed for students pursuing entry level employment in architectural, electrical, mechanical, and commercial construction drafting and design fields. Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

Mechanical (HVAC/Piping/Plumbing Systems) Certificate

This Certificate of Achievement is designed for students pursuing employment or upgrade in employment in the fields of (1) building Mechanical design (Heating, Ventilation, and Air Conditioning HVAC, Plumbing and Piping or (2) mechanical component design utilizing 2D and 3D CAD design and drafting software applications in architectural, engineering, manufacturing, or construction related offices.

Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses. General Education courses complete the recommended classes for the Engineering Design Technology curriculum.

Program Costs: Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

Recommended High School Preparation: Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

Certificate Requirements

Course Code	Course Title	Units
EDT 310	Technical Graphics With CAD I	3
EDT 312	Technical Graphics With CAD II	3
EDT 316	REVIT-Architectural	3
EDT 317	REVIT-MEP	3
EDT 318	Beginning 3D Modeling-CREO	3
EDT 332	Building Mechanical Design Documents	3
EDT 336	Building Mechanical Systems Design	3
EDT 340	Plumbing and Piping Systems Design I	3
EDT 342	Plumbing and Piping Systems Design II	3
A minimum of 5 units from the following:		5
EDT 320	Architectural/Structural Drafting (4)	
EDT 352	Building Electrical Design Documents (3)	
EDT 356	Building Electrical Systems Design (3)	
EDT 498	Work Experience in Engineering Design Technology (0.5 - 4)	
MATH 335	Trigonometry with College Algebra (5)	
SURVY 300	Elementary Surveying (4)	
SURVY 310	Survey Map Production (4)	
Total Units:		**32**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- perform design calculations and prepare mechanical and plumbing plans for building mechanical and plumbing systems that conform with current industry and ANSI standards.
- demonstrate the processes of mechanical and plumbing design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT, and CREO) by preparing 3D computer engineering and architectural models.
- demonstrate the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

Career Information

This program is designed for students pursuing entry level employment in Architecture, Electrical and Mechanical Engineering, Manufacturing, and commercial construction fields. Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/ Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

Surveying/Geomatics Certificate

The curriculum provides the student with instruction in survey theory and fundamentals of office and field practice. The objective is to prepare students for employment as described above. Material is sufficient, when coupled with the legally required experience, to prepare the student for the State licensing examinations conducted by The Board of Registration for Professional Engineers. There are numerous specialties in survey employment, and early counseling is suggested to help select the proper optional classes.

Recommended High School Preparation: Courses in algebra, trigonometry, physics, and geography.

Certificate Requirements

Course Code	Course Title	Units
SURVY 300	Elementary Surveying	4
SURVY 320	Advanced Survey	4
SURVY 330	Special Surveying Projects	4
SURVY 340	Basics of Photogrammetry	3
SURVY 350	Boundary Control and Legal Principles	4
SURVY 352	Evidence and Procedures for Boundary Location	4
A minimum of 3 units from the following:		3
SURVY 310	Survey Map Production (4)	
SURVY 360	Survey Business Practices (3)	
Total Units:		**26**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- operate all surveying measurement instruments commonly in use within the profession.
- demonstrate a knowledge of the techniques and methodology of surveying measurement.
- select appropriate survey measuring instruments to accurately complete a variety of surveying projects.

- list specific requirements of local agencies for approval and filing of survey maps such as, record of surveys, parcel maps, subdivision maps, preliminary and final maps, and also improvement plans.
- demonstrate an understanding of boundary surveying and photogrammetric surveys, theory of geodetic and control surveys, Global Positioning Systems, Geographic Information System and electronic surveys.
- demonstrate a knowledge of statutory and common law regulating the surveying industry.
- prepare and/or interpret different forms of legal descriptions of land ownership and transfer.
- discuss various types of land ownership and classify effects and intent of various land transfers and transactions.

Career Information

Students may find employment in field jobs as surveyor assistants to do specific jobs as rod, chain, level, and instrument person and notekeeper. In office jobs, students may do survey computations, draw maps of property lines, topographic maps, and profiles of construction sites, and compute acreage. Employers are private survey and engineering firms and government agencies throughout the United States. Job titles are Boundary, Technicians, Survey Technicians, Engineering Technicians, Engineering Aide, and Survey Aide.

Engineering Design Technology (EDT) Courses

EDT 302 Building Trades Blueprint Reading

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU

This is a course in blueprint reading and sketching related to building trades. Architectural, structural, electrical and mechanical drawings, details, and specification requirements will be examined in detail for residential, commercial, and industrial construction.

EDT 310 Technical Graphics With CAD I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC (EDT 310,312 and 314 combined: maximum credit, one course)

This course introduces the process of technical documentation preparation for design, architectural, and engineering students. Topics include basic sketching, scale reading, drafting conventions, industry design terminology, orthographic and pictorial drawings, dimensioning techniques and sections. Computer-assisted drafting (CAD) topics include CAD techniques, software settings, and commands required to produce design drawings that conform to current industry standards. Students prepare a portfolio of their work.

EDT 312 Technical Graphics With CAD II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: EDT 310 with a grade of "C" or better
Transferable: CSU; UC (310, 312 and 314 combined: maximum credit, one course)

This is a second course in technical documentation preparation for design, architectural and engineering students. Topics include auxiliary views, revolutions, patterns, isometric drawings, sections and plan set preparation. Advanced CAD topics include geometric calculator; dimensioning styles and techniques; dynamic and parametric symbols; CAD layer management; filters and selection sets; attributes; data extraction; bill of materials; program customization, preferences and profiles; plotting techniques and scripts. This course offers in-service training and upward mobility training to the professional CAD drafter. Emphasis is on in-office related production skills, advanced commands and program customization. Students prepare a portfolio of their work.

EDT 314 Advanced Computer Assisted Drafting and Design

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: EDT 300 and EDT 310 with grades of "C" or better; or equivalent.
Advisory: EDT 312 with grade "C" or better or equivalent.
Transferable: CSU; UC (310, 312 and 314 combined: maximum credit, one course)

This course covers advanced study in computer aided drafting with emphasis on construction related topics. Course topics include, but are not limited to: basic three-dimensional studies, pictorial (isometric) and three dimensional drawings and dimensioning; customization using the AutoLISP programming language; use of database application to integrate drawing and schedule information in project drawing sets; 3D and UCS Coordinate Systems; Spherical and Cylindrical Coordinates; Solids and Primitives; Solid Model Editing 3D Objects; Wireframes; 3D Faces, Rendering; Light Sources and Backgrounds; Raster and PostScript Files, and applications of CAD to drawing development. The concepts also relate to other computer drafting applications.

EDT 315 Beginning 3D Modeling-SolidWorks

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course provides instruction in the CAD 3D modeling and mechanical design automation software program SolidWorks, and will cover the basics of creating, editing and storing 3D models. Topics include the proper application of design concepts using SolidWorks to create and edit three-dimensional solid parts and assemblies, and orthographic projections from the solid geometry. Rapid prototyping may be presented in the course.

EDT 316 REVIT-Architectural

Units: 3
Hours: 36 hours LEC; 54 hours LAB

Prerequisite: EDT 310 with a grade of "C" or better
Transferable: CSU

This course provides instruction in the AutoDesk software package REVIT with a focus on architecture. Topics covered include but are not limited to: Building Information Modeling (BIM), parametric 3D design, tools for creating and analyzing architectural project designs, and automated tools for documentation.

EDT 317 REVIT-MEP

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: EDT 310 with a grade of "C" or better
Transferable: CSU

This course provides instruction in the AutoDesk software package REVIT with a focus on MEP (Mechanical Electrical Plumbing). Topics covered include but are not limited to: Building Information Modeling (BIM), parametric 3D design tools for creating and analyzing HVAC, plumbing and piping systems, and power, lighting, and signal systems.

EDT 318 Beginning 3D Modeling-CREO

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course provides an introduction to Creo mechanical design software. Topics covered include, but are not limited to: 3D modeling, parametric design, model relations, tools for creating and analyzing projects, and detail and assembly drawings.

EDT 319 Advanced 3D Modeling/Rapid Prototyping

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: EDT 318 with a grade of "C" or better
Transferable: CSU; UC

This course provides advanced study in 3D mechanical design software. Topics covered include, but are not limited to: detailing, Geometric Dimensioning and Tolerancing (GD & T), general tolerancing, wire frame, surfacing, parametric 3D solid modeling model relations, tools for creating and analyzing projects, detail and assembly drawings, 3D printing, an introduction to CNC machining, 3D scanning, laser and other cutting technologies, and Rapid Prototyping.

EDT 320 Architectural/Structural Drafting

Units: 4
Hours: 36 hours LEC; 108 hours LAB
Prerequisite: EDT 310 with grades of "C" or better or equivalent (may be taken concurrently with EDT 320).
Transferable: CSU

This course provides instruction in drafting practices involving building construction drawings and specifications and surveying practices related to architectural and engineering construction work.

EDT 332 Building Mechanical Design Documents

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: EDT 310 with a grade of "C" or better; or concurrent enrollment in EDT 310
Advisory: EDT 336 with a grade of "C" or better; or concurrent enrollment in EDT 336.
Transferable: CSU

This course provides instruction in the preparation of mechanical construction documents for building HVAC, plumbing, and piping systems using computer aided drafting programs. Course work involves applying mechanical design calculations to building mechanical systems. EDT 336 should be taken concurrently with this course.

EDT 336 Building Mechanical Systems Design

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Concurrent enrollment in EDT 332.
Transferable: CSU

This course focuses on the calculations of heat gain and loss in buildings, psychrometric analyses, types of HVAC systems and equipment selection, environmental comfort considerations, energy conservation strategies, equipment and methodologies, and California Title 24 code requirements. EDT 332 should be taken concurrently with this course.

EDT 340 Plumbing and Piping Systems Design I

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Concurrent enrollment in EDT 342.
Transferable: CSU

This course provides instruction in the design of domestic water supply, water heating, and gas piping systems for residential, and commercial buildings. Study includes the materials, methods, codes, and practices. EDT 342 should be taken concurrently with this course.

EDT 342 Plumbing and Piping Systems Design II

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Concurrent enrollment in EDT 340.
Transferable: CSU

This course provides instruction in the design of plumbing waste, vent, storm drainage, and fuel gas piping systems for residential and commercial buildings. Study includes the materials, methods, codes, and practices. EDT 340 should be taken concurrently with this course.

EDT 352 Building Electrical Design Documents

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: EDT 310 with a grade of "C" or better; or concurrent enrollment in EDT 310
Advisory: EDT 356 with a grade of "C" or better; Concurrent enrollment in EDT 356.
Transferable: CSU

This course provides instruction in the preparation of building electrical design documents for residential and light commercial buildings using computer aided drafting programs. Course work involves applying electrical design concepts and calculations to building electrical power wiring, motor, and lighting systems. EDT 356 should be taken concurrently with this course.

EDT 356 Building Electrical Systems Design

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Concurrent enrollment in EDT 352.
Transferable: CSU

This is a basic course on electrical systems for residential and commercial buildings with emphasis on practical industry, materials, methods, and California Title 24 electrical codes. EDT 352 should be taken concurrently with this course.

EDT 494 Topics in Engineering Design Technology

Units: 0.5 - 4
Hours: 9 - 36 hours LEC
Prerequisite: None.
Transferable: CSU

This specialized course has been developed in cooperation with industry to address emerging training needs.

EDT 495 Independent Studies in Engineering Design Technology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course is for students who wish to develop an in-depth understanding in fundamental topics of Engineering Design Technology and to learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

EDT 498 Work Experience in Engineering Design Technology

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: EDT 310 with a grade of "C" or better
Enrollment Limitation: According to Education Code Title V regulations, a student cannot earn academic credits in a Work Experience class unless s/he has either a job or an internship.
Transferable: CSU
General Education: AA/AS Area III(b)

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

EDT 499 Experimental Offering in Engineering Design Technology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Surveying (Geomatics) (SURVY) Courses

SURVY 300 Elementary Surveying

Units: 4
Hours: 45 hours LEC; 81 hours LAB
Prerequisite: None.
Advisory: MATH 335 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area II(b)

This course provides an introduction to the principles and practices of plane surveying. Survey instrumentation and methods of measuring distances, angles, and differences in elevation will be presented. Fundamental surveying methods including traversing, area computations, and use and care of

electronic survey equipment will be stressed. Computation methods associated with surveying will be covered.

SURVY 310 Survey Map Production

Units: 4
Hours: 45 hours LEC; 81 hours LAB
Prerequisite: None.
Transferable: CSU

This course provides an exposure to the special procedures and requirements unique to computer-assisted survey mapping. Fundamental survey drafting methods and types of maps will be stressed. Conformance with local agency and State of California mapping requirements will be addressed. Students will work with state of the art computer hardware and software to produce industry standard survey maps.

SURVY 320 Advanced Survey

Units: 4
Hours: 45 hours LEC; 81 hours LAB
Prerequisite: SURVY 300 with a grade of "C" or better; or equivalent.
Advisory: Completion of, or concurrent enrollment in MATH 335 with a grade of "C" or better.
Transferable: CSU

This course focuses on real-world surveying applications such as primary control, construction layout and staking, horizontal and vertical curves, above and underground structural staking, subdivision lotting, and street improvement construction. Introduction to boundary surveying and photogrammetric surveys, California State Plane Coordinate System, and theory of geodetic and control surveys. GPS, GIS, and electronic surveys and mapping are also introduced. Students will need a hand-held electronic scientific style calculator equipped with trigonometric capabilities.

SURVY 324 Global Positioning Surveying (GPS)

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: SURVY 320 with a grade of "C" or better
Transferable: CSU

This course is an introduction to the methods, techniques, tools, and applications of GPS for use in Land Surveys. It will also present factors of geodesy for surveying, enabling the student to understand and use the mathematical parameters of the earth's shape and effect on survey measurements.

SURVY 330 Special Surveying Projects

Units: 4
Hours: 45 hours LEC; 81 hours LAB
Prerequisite: None.
Transferable: CSU

This course focuses on real world surveying applications, construction control, layout and staking, horizontal and vertical curves, above and underground structural staking, subdivision lotting, and street improvement construction. This course will provide an introduction to boundary surveying and photogrammetric surveys, theory of geodetic and control surveys. Global Positioning Systems (GPS), Geographic Information System (GIS), and electronic surveys and mapping are also included.

SURVY 340 Basics of Photogrammetry

Units: 3
Hours: 54 hours LEC
Prerequisite: SURVY 320 with a grade of "C" or better, or equivalent work experience.
Transferable: CSU

This course provides an introduction to the theory and practice of Photogrammetry, including image systems and quality, theory of stereo photography, and orientation and design of stereo models. The class will also address design and operating principles of stereo plotting and photogrammetric and orthophoto mapping. This course also focuses on considerations for flight and control planning, control identification techniques, advanced field completion surveys, and property line investigations. Two field trips are required.

SURVY 350 Boundary Control and Legal Principles

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU

This course provides instruction in the concepts and legal principles associated with the historic and current practices of surveying and mapping procedures used in locating boundaries and land ownership lines. This course has been developed for those in the fields of surveying, civil engineering, title insurance, and real estate.

SURVY 352 Evidence and Procedures for Boundary Location

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU

This is a continuation of boundary location with emphasis on procedures rather than principles. It provides an introduction to the historical development, current concepts, and evidence and procedures used in boundary determination. Techniques of gathering and evaluating evidence used in boundary locations and methods of presenting that evidence in the form of maps and descriptions are emphasized. This course is designed for those in the fields of engineering, land surveying, land law, real estate, and title insurance.

SURVY 360 Survey Business Practices

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

The course provides an introduction to surveying business economics; contracts and specifications; organizing, staffing, hiring, training, and supervision of professional/technical personnel; surveyor-client relationships; and ethics of practice.

SURVY 495 Independent Studies in Surveying

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

SURVY 498 Work Experience in Surveying

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

SURVY 499 Experimental Offering in Surveying

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

English

The English program prepares students for university programs in English and in other disciplines. Studies in the English Department emphasize reading, writing, and critical thinking skills. This program prepares students for careers in occupations such as teaching, law, technical writing and any profession requiring clear communication skills.

View the English Course Sequence (https://scc.losrios.edu/2021-2022-official-catalog/programs-of-study/list-of-programs/english-course-sequence) and the English Placement (https://scc.losrios.edu/admissions/placement/english-placement) page.

Degrees Offered

A.A.-T. in English

A.A. in English

A.A. in Interdisciplinary Studies: Arts and Humanities

Dean Marci Selva

Department Chair Carrie Marks

Phone (916) 558-2326

Email MarksC@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in English

The Associate in Arts in English for Transfer degree offers students an opportunity to take courses in literature, composition, and creative writing. This degree prepares students for transfer-level studies in English at a CSU and also readies students for the workforce by emphasizing reading, writing, and critical thinking skills.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature	4
A minimum of 6 units from the following:		6
ENGLT 310	English Literature I (3)	
ENGLT 311	English Literature II (3)	
ENGLT 320	American Literature I (3)	
ENGLT 321	American Literature II (3)	
A minimum of 9 units from the following:		9
ENGCW 400	Creative Writing (3)	
ENGCW 410	Fiction Writing Workshop (3)	
ENGCW 420	Poetry Writing Workshop (3)	
ENGCW 431	Autobiography Writing Workshop (3)	
ENGED 305	Structure of English (3)	
ENGLT 303	Introduction to the Short Story (3)	
ENGLT 304	Introduction to Poetry (3)	
ENGLT 317	The English Bible as Literature (3)	
ENGLT 327	Literature of California (3)	
ENGLT 331	African-American Literature (1730-1930) (3)	
ENGLT 332	African-American Literature (1930-Present) (3)	
ENGLT 334	Asian-American Literature (3)	
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	
ENGLT 360	Women in Literature (3)	
ENGLT 365	Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370	Children and Literature (3)	
ENGLT 380	Introduction to Shakespeare (3)	
ENGLT 392	Science Fiction and Fantasy (3)	
ENGLT 400	Introduction to Film (3)	
or TAFILM 300	Introduction to Film (3)	
ENGLT 401	Women in Film and Literature (3)	
ENGLT 403	Film Adaptations (3)	
ENGLT 404	Documentary Film Studies (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
Total Units:		**19**

The Associate in Arts in English for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- assess and comprehend texts on a literal level.
- analyze texts on thematic, rhetorical, metaphoric, and symbolic levels.
- discuss authors, forms, and movements of literature in English by employing terms of literary analysis.
- examine literary text in order to demonstrate an understanding of the social and historical context for a work of literature.
- produce and communicate clear and effective arguments and ideas.
- evaluate and integrate research materials to support an original argument by using current Modern Language Association methods and forms.

Associate Degrees

A.A. in English

A major in English offers students an opportunity to take courses in literature, composition, and creative writing. It prepares students for university-level studies in English or other disciplines and also readies students for the workforce by emphasizing reading, writing, and critical thinking skills.

Degree Requirements

Course Code	Course Title	Units
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature	4
ENGLT 310	English Literature I	3
ENGLT 311	English Literature II	3
ENGLT 320	American Literature I	3
ENGLT 321	American Literature II	3
A minimum of 9 units from the following:		9
ENGCW 400	Creative Writing (3)	
ENGCW 410	Fiction Writing Workshop (3)	
ENGCW 420	Poetry Writing Workshop (3)	
ENGCW 431	Autobiography Writing Workshop (3)	
ENGED 305	Structure of English (3)	
ENGLT 303	Introduction to the Short Story (3)	
ENGLT 304	Introduction to Poetry (3)	
ENGLT 317	The English Bible as Literature (3)	
ENGLT 327	Literature of California (3)	
ENGLT 331	African-American Literature (1730-1930) (3)	
ENGLT 332	African-American Literature (1930-Present) (3)	
ENGLT 334	Asian-American Literature (3)	
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	
ENGLT 360	Women in Literature (3)	
ENGLT 365	Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370	Children and Literature (3)	
ENGLT 380	Introduction to Shakespeare (3)	
ENGLT 392	Science Fiction and Fantasy (3)	
ENGLT 400	Introduction to Film (3)	
or TAFILM 300	Introduction to Film (3)	
ENGLT 401	Women in Film and Literature (3)	
ENGLT 403	Film Adaptations (3)	
ENGLT 404	Documentary Film Studies (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
Total Units:		**28 - 29**

The English Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- assess and comprehend texts on a literal level.
- analyze texts on thematic, rhetorical, metaphoric, and symbolic levels.
- synthesize multiple perspectives on a literary text.
- demonstrate an understanding of the social and historical context for a work of literature.
- produce and communicate clear and effective arguments and ideas.

Career Information

A degree in English is a good gateway towards a career in teaching, law, technical writing, creative writing, editing/ publishing, marketing, and any occupation requiring clear communication skills.

A.A. in Interdisciplinary Studies: Arts and Humanities

The Interdisciplinary Studies degree is designed for students who seek a greater understanding of disciplines within the arts and humanities. This program is a good choice for students planning on transferring to the California State University or the University of California. The student will be able to satisfy general education requirements and focus on transferable course work that relates to a specific major and/or individual

interest.

It is highly recommended that students consult a counselor to determine the classes within each area that will best prepare them for their intended transfer major.

Degree Requirements

Course Code	Course Title	Units
A minimum of 18 units from the following:		18[1]
ARABIC 401	Elementary Arabic (5)	
ARABIC 402	Elementary Arabic (5)	
ART 300	Drawing and Composition I (3)	
ART 301	Digital Drawing and Composition (3)	
ART 302	Drawing and Composition II (3)	
ART 304	Figure Drawing I (3)	
ART 305	Figure Drawing II (3)	
ART 307	Rendering (3)	
ART 310	Pen and Ink Drawing (3)	
ART 312	Portrait Drawing (3)	
ART 320	Design: Fundamentals (3)	
ART 322	Design: Image and Content (3)	
ART 323	Design: Color Theory (3)	
ART 324	Collage and Assemblage (3)	
ART 330	Mural Painting (3)	
ART 332	Oil Painting (3)	
ART 333	Intermediate Oil Painting (3)	
ART 334	Acrylic Painting (3)	
ART 335	Acrylic Painting: Abstract (3)	
ART 336	Watercolor Painting (3)	
ART 337	Intermediate Watercolor Painting (3)	
ART 361	Printmaking: Survey (3)	
ART 362	Printmaking: Intaglio (3)	
ART 363	Printmaking: Screen Printing (3)	
ART 364	Printmaking: Relief (3)	
ART 366	Printmaking: Lithography (3)	
ART 367	Book Arts (3)	
ART 370	Three Dimensional Design (3)	
ART 372	Sculpture (3)	
ART 373	Intermediate Sculpture (3)	
ART 374	Sculpture Lab (1 - 2)	
ART 375	Figure Sculpture (3)	
ART 380	Techniques in Metal Design (3)	
ART 381	Intermediate Techniques in Metal Design (3)	
ART 384	Metal Design: Emphasis In Casting (3)	
ART 385	Metal Arts Lab (1 - 2)	
ART 390	Ceramics (3)	
ART 391	Intermediate Ceramics (3)	
ART 392	Ceramic Lab (1 - 2)	
ART 394	Wheel Thrown Ceramics, Beginning (3)	
ART 395	Wheel Thrown Ceramics, Intermediate (3)	
ART 396	Wheel Thrown Ceramics, Advanced (3)	
ART 400	Clay Sculpture (3)	
ART 404	Intermediate Clay Sculpture (3)	
ART 440	Artists' Materials and Techniques (3)	
ART 443	Art Gallery Operations (3)	
ART 445	Art Gallery Operations (3)	
ART 446	Portfolio Preparation (3)	
ART 494	Topics in Art (0.5 - 4)	
ART 495	Independent Studies in Art (1 - 3)	
ART 498	Work Experience in Art (0.5 - 4)	
ARTH 300	Art Appreciation (3)	
ARTH 304	Ancient Art (3)	
ARTH 306	Medieval Art (3)	
ARTH 307	Italian Renaissance Art (3)	
ARTH 308	Renaissance Tradition in Art (3)	
ARTH 310	Modern Art (3)	
ARTH 312	Women in Art (3)	
ARTH 313	History of Western Architecture: Prehistoric to Renaissance (3)	
ARTH 314	History of Western Architecture: Renaissance to Modern (3)	
ARTH 318	History of American Art (3)	
ARTH 320	Multicultural Art in America (3)	
ARTH 324	Art of the Americas (3)	
ARTH 325	Native American Art History (3)	
ARTH 328	Survey of African Art (3)	
ARTH 332	Asian Art (3)	
ARTH 334	International Contemporary Art (3)	
ARTH 410	Early 20th Century Art (3)	
ARTH 484	Ancient Art-Honors (3)	
ARTH 486	Medieval Art-Honors (3)	
ARTH 487	Renaissance Art-Honors (3)	
ARTH 488	Modern Art--Honors (3)	
ARTH 494	Topics in Art History (0.5 - 4)	
ARTH 495	Independent Studies in Art History (1 - 3)	
ARTH 499	Experimental Offering in Art History (0.5 - 4)	
CANT 401	Elementary Cantonese (4)	
CANT 402	Elementary Cantonese (4)	
CANT 411	Intermediate Cantonese (4)	
CANT 412	Intermediate Cantonese (4)	
COMM 305	Oral Interpretation (3)	
DEAF 310	American Sign Language I (4)	
DEAF 312	American Sign Language II (4)	
DEAF 314	American Sign Language III (4)	
DEAF 316	American Sign Language IV (4)	
ENGCW 400	Creative Writing (3)	

Course Code	Course Title	Units
ENGCW 410	Fiction Writing Workshop (3)	
ENGCW 420	Poetry Writing Workshop (3)	
ENGCW 430	Creative Non-Fiction Writing Workshop (3)	
ENGLT 301	Introduction to Literature in Hip-Hop Culture (3)	
ENGLT 303	Introduction to the Short Story (3)	
ENGLT 310	English Literature I (3)	
ENGLT 311	English Literature II (3)	
ENGLT 317	The English Bible as Literature (3)	
ENGLT 320	American Literature I (3)	
ENGLT 321	American Literature II (3)	
ENGLT 327	Literature of California (3)	
ENGLT 328	Literature and The Environment (3)	
ENGLT 331	African-American Literature (1730-1930) (3)	
ENGLT 332	African-American Literature (1930-Present) (3)	
ENGLT 334	Asian-American Literature (3)	
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	
ENGLT 360	Women in Literature (3)	
ENGLT 365	Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370	Children and Literature (3)	
ENGLT 380	Introduction to Shakespeare (3)	
ENGLT 392	Science Fiction and Fantasy (3)	
ENGLT 400	Introduction to Film (3)	
ENGLT 401	Women in Film and Literature (3)	
ENGLT 403	Film Adaptations (3)	
ENGLT 404	Documentary Film Studies (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
ENGLT 494	Topics in Literature (3)	
ENGLT 495	Independent Studies in Literature (1 - 3)	
ENGLT 499	Experimental Offering in Literature (0.5 - 4)	
ENGWR 301	College Composition and Literature (3)	
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature (4)	
FREN 401	Elementary French (4)	
FREN 402	Elementary French (4)	
FREN 411	Intermediate French (4)	
FREN 412	Intermediate French (4)	
GREEK 401	Elementary Modern Standard Greek (4)	
GREEK 402	Elementary Modern Standard Greek (4)	
HIST 300	History of Western Civilization (3)	
HIST 302	History of Western Civilization (3)	

Course Code	Course Title	Units
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HUM 300	Classical Humanities (3)	
HUM 310	Modern Humanities (3)	
HUM 332	American Humanities (3)	
HUM 352	Religious Themes in Western Art, Literature and Music (3)	
ITAL 401	Elementary Italian (4)	
ITAL 402	Elementary Italian (4)	
JAPAN 401	Elementary Japanese (4)	
JAPAN 402	Elementary Japanese (4)	
JAPAN 411	Intermediate Japanese (4)	
JAPAN 412	Intermediate Japanese (4)	
KOREAN 401	Elementary Korean (4)	
KOREAN 402	Elementary Korean (4)	
MAND 401	Elementary Mandarin (4)	
MAND 402	Elementary Mandarin (4)	
MAND 411	Intermediate Mandarin (4)	
MAND 412	Intermediate Mandarin (4)	
MUFHL 305	Music Appreciation (3)	
MUFHL 309	Introduction to American Popular Music (3)	
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 315	Jazz History (3)	
MUFHL 330	World Music (3)	
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 345	Beginning Piano I (1 - 2)	
MUIVI 346	Beginning Piano II (1 - 2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 357	Advanced Piano I (1 - 2)	
MUIVI 358	Advanced Piano II (1 - 2)	
MUIVI 371	Intermediate Guitar (2)	
MUIVI 372	Advanced Guitar (2)	
MUIVI 373	Popular Electric Bass Styles I (1)	
MUIVI 374	Popular Electric Bass Styles II (1)	
MUIVI 375	Popular Electric Guitar Styles I (1)	
MUIVI 377	Popular Electric Guitar Styles II (1)	
MUIVI 380	Improvisation Workshop I (2)	
MUIVI 381	Improvisation Workshop II (2)	
MUIVI 382	Improvisation Workshop III (2)	
MUIVI 452	World Drumming (1)	
MUIVI 454	Indian Classical Fusion Improvisation (1)	
MUP 325	Jazz Band (2)	

Course Code	Course Title	Units
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
PHIL 300	Introduction to Philosophy (3)	
PHIL 306	Environmental Philosophy (3)	
PHIL 310	Introduction to Ethics (3)	
PHIL 330	History of Classical Philosophy (3)	
PHIL 331	History of Modern Philosophy (3)	
PHIL 338	Contemporary Philosophy (3)	
PHIL 352	Introduction to World Religions (3)	
PHIL 368	Law, Justice, and Punishment (3)	
PRSIAN 401	Elementary Persian (4)	
PRSIAN 402	Elementary Persian (4)	
PNJABI 401	Elementary Punjabi (4)	
PNJABI 402	Elementary Punjabi (4)	
RUSS 401	Elementary Russian (4)	
RUSS 402	Elementary Russian (4)	
RUSS 411	Intermediate Russian (4)	
RUSS 412	Intermediate Russian (4)	
SPAN 401	Elementary Spanish (4)	
SPAN 402	Elementary Spanish (4)	
SPAN 411	Intermediate Spanish (4)	
SPAN 412	Intermediate Spanish (4)	
TA 300	Introduction to the Theatre (3)	
TA 302	History and Theory of the Theatre I (3)	
TA 303	History and Theory of the Theatre II (3)	
TA 308	Diversity in American Theatre (3)	
TA 342	Introduction to Acting (3)	
TA 350	Theory and Techniques of Acting I (3)	
TA 351	Theory and Techniques of Acting II (3)	
TAFILM 300	Introduction to Film (3)	
TAFILM 302	History of Film (3)	
TAFILM 303	History of Film: 1880's through 1950's (3)	
TAFILM 304	History of Film: 1950's to Present (3)	
TAFILM 320	Cinema Genres (3)	
TAFILM 330	Film Making (3)	
TAFILM 360	Screenwriting (3)	
TGLG 401	Elementary Tagalog (4)	
TGLG 402	Elementary Tagalog (4)	
VIET 401	Elementary Vietnamese (4)	
VIET 402	Elementary Vietnamese (4)	
Total Units:		**18**

[1]Select courses from at least three areas.

The Interdisciplinary Studies: Arts and Humanities Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation and expression.

Career Information

Students who complete this degree pattern can find career opportunities in the growing film and entertainment industries; in education; in the design and fabrication industries, and as an independent contractor concentrating in the area of their study.

English - Creative Writing (ENGCW) Courses

ENGCW 400 Creative Writing

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2
C-ID: C-ID ENGL 200

This course emphasizes writing of poetry, short fiction, and autobiography. It includes analysis of student work by the instructor and class in a workshop atmosphere. Students explore their creativity through the medium of language and learn the techniques of poetry, fiction, and autobiography while also developing an appreciation of literature by creating it. Students will also learn and apply historical and aesthetic criticism throughout the creative process by reading and evaluating literary work through the ages from various cultures. This analytical work will help students understand the literary arts as part of human history.

ENGCW 410 Fiction Writing Workshop

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2

This course is designed for students who wish to develop an appreciation for the literary art of fiction. The course will include workshops of student-generated short stories and novel chapters. Through lecture, discussion, assigned reading, and writing exercises, students will examine critically the elements of literary creation and develop criteria of aesthetic judgment. Students will keep journals and prepare portfolios of their original fiction.

ENGCW 420 Poetry Writing Workshop

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.

Transferable: CSU; UC
General Education: AA/AS Area I

This is a creative writing course for students who wish to concentrate on poetry writing. Through lecture, discussion, assigned reading, collaborative writing projects, and in-class writing exercises, students will examine literary devices in contemporary poetry and will practice revising and editing. The workshop format will focus on analysis of poetry written by students in the class. Students will create their own work and critique the work of others. Students will prepare a portfolio of original work. In learning to synthesize the history of poetry, they will also read, appraise, and analyze poetry from various eras and cultures.

ENGCW 430 Creative Non-Fiction Writing Workshop

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This is a creative writing course in creative non-fiction. The class focuses on constructive analysis of personal essays written by students, as well as critical analysis of literary works of creative non-fiction, including autobiography. Through lecture, discussion, collaborative writing, the study of texts that outline the criteria and traditions of creative non-fiction writing, interviews, and writing exercises, students will critically examine the elements of personal, ecological, multi-cultural, multi-generational, multi-disciplinary and mythological writing. Students will interview family members and other people of personal significance, keep a journal and prepare a portfolio of completed work.

ENGCW 431 Autobiography Writing Workshop

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I

This is a creative writing workshop in autobiography and creative non-fiction. The class focuses on constructive analysis of personal essays written by students, as well as critical analysis of literary works in autobiography and creative non-fiction. Through lecture, discussion, collaborative writing, the study of texts that outline the criteria and traditions of autobiographical writing, interviews, and writing exercises, students will critically examine the elements of personal, ecological, multi-cultural, multi-generational, multi-disciplinary, and mythological writing. Students will interview family members and other people of personal significance, keep a journal, and prepare a portfolio of completed work.

ENGCW 433 Writing as a Healing Art

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course emphasizes journal writing as a model for creative writing projects and as a vehicle for healing using the Amherst Writers and Artists method of journal writing. Students will write extensively in journals throughout the semester and then turn some of those writings into finished pieces of poetry, fiction, and creative nonfiction. Students will prepare a portfolio of original work.

ENGCW 450 College Literary Magazine

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Advisory: ENGCW 400, 410, or 420; with a grade of "C" or better.
Transferable: CSU

This course provides instruction in techniques and experience in editing and structuring the college literary magazine, Susurrus. Students will select and edit manuscripts in the genres of poetry, short fiction, and creative non-fiction. A field trip is required.

ENGCW 451 College Literary Magazine: Production

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Advisory: ENGCW 450; with a grade of "C" or better.
Transferable: CSU

The course provides experience in producing the college literary magazine, Susurrus, from selecting and editing manuscripts to formatting and readying the entire text for publication. Discussions span from text and art layout to website applications and management. Students will plan and present a college literary reading.

ENGCW 495 Independent Studies in English - Creative Writing

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU; UC

Independent study allows a student or small group of students to work directly with an instructor independent of a structured class or course. The instructor and student(s) typically develop a contract together, outlining the course of study. Variable units enable maximum flexibility in creating this course of study. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ENGCW 499 Experimental Offering in English - Creative Writing

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

English - Education (ENGED) Courses

ENGED 305 Structure of English

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC

This course is a study of the structure of English grammar systems, especially as they relate to writing. It includes the study and practice of traditional and transformational grammar and standard usage, with emphasis on the relationship of grammar to writing (2,000 word writing requirement); it also includes the study of the history of the English language and varied methods of language acquisition within the culturally diverse population of California schools with emphasis on the Common Core. It is designed for those who plan to teach or who are especially interested in grammar as it relates to writing. One hour per week practicum is also required; this is met by tutoring in an English approved setting (15 hours total).

ENGED 320 Service Learning: Tutoring Elementary Students in Reading

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Students must show proof of a negative TB test and have background check and fingerprinting completed prior to beginning work in the schools.
Advisory: ENGRD 110 with a grade of "C" or better
Transferable: CSU

This course offers students an opportunity to learn and practice basic methods of tutoring elementary children in reading. Students will meet on campus for the first part of the semester to be trained and then will be assigned to an elementary school where they will have in-depth practice tutoring elementary children who are reading below grade level. This course can meet the field experience requirement for teacher preparation programs.

ENGED 326 Teaching Reading Strategies Across the Curriculum

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGRD 310, ENGRD 312, or ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU

This course addresses reading and critical thinking strategies to prepare students to become fluent, independent readers in K-12 and college-level courses across the disciplines. Application of the California Common Core Standards is also included. This course is recommended for future educators, K-12 teachers, and community college instructors.

ENGED 495 Independent Studies in English - Education

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

Independent study allows a student or small group of students to work directly with an instructor independent of a structured class or course. The instructor and student(s) typically develop a contract together, outlining the course of study. Variable units enable maximum flexibility in creating this course of study. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ENGED 499 Experimental Offering in English - Education

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

English - Laboratory (ENGLB) Courses

ENGLB 55 Individualized Reading and Writing Skills

Units: 0.5 - 2
Hours: 27 - 108 hours LAB
Prerequisite: None.

This course provides individualized, self-paced instruction of reading and writing skills. Students meet with an instructor for diagnosis of reading and writing needs, and an agreed-upon prescription is determined. Students are awarded units based on successful completion of assigned work, required time, and conferences with their lab instructor. Students are highly encouraged to enroll for one-half unit but may earn up to one unit per semester by completing 27 hours of work for each half unit. This course may be taken for a maximum of 2 units over multiple semesters, with each course constructed to assist students in their needs for that semester. The course is designed for students enrolled in a reading or writing course, but is open to any students who wish to work on their individual reading and writing skills for college. Students may register until the end of the ninth week of the semester and as space allows. The course is graded on a Pass/No Pass basis.

ENGLB 299 Experimental Offering in English - Laboratory

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

English - Literature (ENGLT) Courses

ENGLT 301 Introduction to Literature in Hip-Hop Culture

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 and LIBR 318
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course surveys the literature that exists within Hip-Hop culture. Students will learn to apply critical literary analysis skills while exploring literature across multiple genres within Hip-Hop culture (including poetry, memoir, song, and film). The course will explore how the historical, cultural, racial, social and political context of Hip-Hop literary works shape the creative process and products. Students will also explore the evolution of Hip-Hop as a complex culture with various creative outputs, not just a musical genre.

ENGLT 303 Introduction to the Short Story

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course is designed to introduce students to the art of the short story. It will provide a history of the short story and distinguishing characteristics of the genre. The emphasis will be on the connection between literature and the human experience. The purpose will be to help students develop an appreciation, understanding, and knowledge of literature.

ENGLT 304 Introduction to Poetry

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

Designed to introduce students to the art of poetry, ENGLT 304 includes analysis and appreciation of poems by a wide variety of traditional and contemporary poets. This course focuses on how to respond as a reader and how to help give poetry meaning in the light of one's accumulated feelings, interests, and ideas. Work in the course includes writing at least four analytical essays, including in-class exams and out-of-class assignments.

ENGLT 310 English Literature I

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID ENGL 160

This course surveys significant works in the English language from Beowulf through the works of Alexander Pope. This course requires critical reading of poetry, novels, essays, and plays, as well as written analysis and significant research about these texts or authors. Students will also examine the historical and cultural environments in which the literature was created. Other works and writers include Sir Gawain and the Green Knight, Geoffrey Chaucer, Edmund Spenser, William Shakespeare, Christopher Marlowe, John Milton, John Donne, Renaissance lyric poets, Aphra Behn, and Jonathan Swift.

ENGLT 311 English Literature II

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID ENGL 165

This course surveys significant works in the English language from Romanticism in the 18th Century to post colonialism in the 20th century. Students will read poetry, novels, plays, and nonfiction prose by a variety of authors, including Wordsworth, Coleridge, Blake, the Brownings, Tennyson, Dickens, Yeats, Joyce, Woolf, Ezekiel, and Walcott.

ENGLT 317 The English Bible as Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course introduces students to some of the literary forms found in the Bible: the poems, proverbs, short stories, wisdom literature, drama, epics, and epistles that are the bases of some of the most enduring symbols and allusions in the literature of the Western world. At the same time, it introduces them to the major Bible characters on whose lives these poems, short stories, wisdom literature, drama, epistles, and epics are centered. Additionally, the course traces the influence of the Bible on the works of selected authors. It is not a study of Jewish or Christian doctrine, nor is it a Bible study course.

ENGLT 320 American Literature I

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID ENGL 130

This course surveys representative works in American literature from approximately 1492-1865. Readings and discussion will highlight the multicultural nature of American literature and society. Texts include Native American myths, writing of the colonial period and the American Revolution, slave narratives, Romantic fiction, and poetry from the seventeenth to the mid-nineteenth century. Students will read a variety of stories, novels, autobiographical narratives, and poetry by such authors as Edgar Allan Poe, Nathaniel Hawthorne, Fredrick Douglass, Anne Bradstreet, Washington Irving, Harriet Jacobs, Herman Melville, and Phillis Wheatley.

ENGLT 321 American Literature II

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID ENGL 135

This course surveys representative works in American literature from approximately 1865 to the present. Readings and discussion will highlight the multicultural nature of American literature and society. Students will read a variety of stories, novels, plays, and poetry by such authors as Mark Twain, Henry James, Kate Chopin, Ernest Hemingway, F. Scott Fitzgerald, Langston Hughes, Zora Neal Hurston, Black Elk, Richard Wright, Toni Morrison, Sandra Cisneros, and Maxine Hong Kingston.

ENGLT 327 Literature of California

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

This course examines the literature of California in the context of its ethnic, social, political, and geographical history. The course will examine a wide range of literature (fiction, non-fiction, poetry, memoirs, and essays) including but not limited to Native American legends, early California exploration accounts, prose and poetry from the California heartland, childhood memoirs, and more, with emphasis on what makes the California experience unique.

ENGLT 328 Literature and The Environment

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area C2; IGETC Area 3B

This course is an introduction to literature with an emphasis on American environmental literature. Study will include major figures, themes, and historical periods; different cultural perspectives on the relationship between humans and the natural nonhuman world; the role women have played in the development of the genre; and the relationship between environmental literature and emerging environmental concerns.

ENGLT 331 African-American Literature (1730-1930)

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Advisory: LIBR 318 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

ENGLT 331 is a study of major African-American authors and their literature from 1730 to 1930. This course includes critical reading of slave narratives, autobiographies, essays, novels, plays, short stories, poetry, and folklore. The course examines the cultural, political, and historical contexts for the readings and the connections between the literature and the experiences that inspired them. Some of the writers studied include Lucy Terry, Jupiter Hammon, Frederick Douglass, Phillis Wheatley, William Wells Brown, Frances Harper, Booker T. Washington, W. E. B Dubois, Charles Chestnutt, Alain Locke, Zora Neale Hurston, and many others. One field trip may be required.

ENGLT 332 African-American Literature (1930-Present)

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Advisory: LIBR 318 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

ENGLT 332 is a study of major African-American authors and their literature from 1930 to the present. This course includes critical reading of essays, novels, plays, short stories, poetry, and folklore. The course also examines the cultural, historical, and political contexts for the literature. Some of the writers studied include Richard Wright, Ann Petry, Gwendolyn Brooks, Amiri Baraka, Owen Dodson, August Wilson, Rita Dove, J. California Cooper, Bebe Moore Campbell, Mari Evans, Ralph Ellison, Maya Angelou, Toni Morrison, Alice Walker and many others. One field trip may be required.

ENGLT 334 Asian-American Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; CSU Area D3; IGETC Area 3B

This course surveys fiction, drama, poetry, and memoirs written by Asian Americans. The course focuses on works written by Americans of Chinese, Filipino, Japanese, Korean, and Vietnamese descent but also includes the work of other Pan-Asian American writers. Students explore the ways in which the experience of being Asian in America has shaped the literature and examine the differences and similarities of these

experiences across cultures, generations, and genders. Optional field trips may be included.

ENGLT 335 Latino, Mexican-American, and Chicano Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Advisory: LIBR 318 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

This course surveys U.S. literature (prose, poetry, drama, creative non-fiction) authored by Latino, Mexican-American, and Chicano writers. Emphasizing the historical and cultural roots of this body of literature, the course examines the contested meanings of such concepts as: Latino, Mexican-American, and Chicano identity; the relationship between social/political activism and literary expression; immigration and the border; and gender relations and sexuality within the many Latino communities. Special attention will be paid to literary forms such as the corrido, the testimonio, and the Chicano theater movement. Knowledge of some Spanish is helpful, but not required. Optional field trips may be included.

ENGLT 345 Mythologies of the World

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

This course offers a thematic and regional approach to mythology and legend from a variety of cultures, stressing the following types of stories: beginnings of the world, creation of living creatures, explanation of natural phenomena, relationships between gods and mortals, deeds of superhumans, the archetypal hero, and destruction, death, and afterlife.

ENGLT 346 Latin American Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

This course introduces students to the literature of Latin America. The course is taught in English, and the texts will be read in translation. Beginning with pre-Columbian literature, the course examines the relationship of history and culture to literary production. Literary movements will be studied, for example, the Boom, the New Latin American Cinema, and magical realism. Major authors may include Nobel Prize winners Pablo Neruda, Gabriel Garcia Marquez, Rigoberta Menchu, and Octavio Paz. The course may examine both literary texts and films. Knowledge of some Spanish is helpful, but not required.

ENGLT 360 Women in Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

This course surveys literature by and/or about women. It emphasizes American and British writers and the multicultural nature of the women's canon. Readings may include literature from any nation, culture, or historical period and focus on a comparative analysis of gender issues. Possible authors include Jane Austen, Charlotte Bronte, Virginia Woolfe, Harriet Jacobs, Zora Neale Hurston, Sylvia Plath, Flannery O'Conner, Maxine Hong Kingston, Sandra Cisneros, Leslie Marmon Silko, Toni Morrison, Jhumpa Lahiri and others.

ENGLT 365 Introduction to Gay, Lesbian, Bisexual and Transgender Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

This class will survey representative literature concerning gay, lesbian, bisexual, and transgender (GLBT) themes and issues as written by or about GLBT people from ancient times to the present day. The comprehensive literary study includes analysis of significant historical and cultural influences.

ENGLT 370 Children and Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU
General Education: AA/AS Area I; CSU Area C2
C-ID: C-ID ENGL 180

This course is a genre-based survey of the best literature, past and present, created for children, and of the criteria for selecting, evaluating, and discussing children’s literature. It includes discussion of the history of children’s poetry, short fiction, long fiction, and drama, and of current issues such as censorship, literacy, and multicultural diversity. This course is intended for prospective teachers, early childhood education (ECE) majors, librarians, and anyone who is or will be in frequent contact with children. It includes reading to children in a formal group situation.

ENGLT 380 Introduction to Shakespeare

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

"All the world's a stage, and all the men and women merely players." This course will guide the student through interpretation of several of Shakespeare's most popular plays and sonnets by taking a close look at his language, themes, and values to illustrate Shakespeare's relevance in today's world. By bringing their own perspectives to the texts, students will appreciate the vitality and universality of Shakespeare's works.

ENGLT 392 Science Fiction and Fantasy

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Advisory: LIBR 318 (Library Research and Information Literacy) with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course introduces students to significant works in science fiction and fantasy literature. Students will explore connections between the literature and concerns about social, ethical, and scientific developments or trends. Authors may include Octavia Butler, William Gibson, Aldous Huxley, Ursula Le Guin, Neal Stephenson, J.R.R. Tolkien, and Kurt Vonnegut.

ENGLT 400 Introduction to Film

Same As: TAFILM 300
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300, ESLR 340, and ESLW 340 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course explores the artistic, business, and social elements of modern film. It examines the elements that go into making films: acting, directing, cinematography, writing, and editing. It investigates the techniques used to manipulate the audience into fear, laughter, and sadness and compares the commercial box office hit and "movie star" to enduring artistic films and actors. This class will view and analyze films to evaluate filmmaking techniques and the impact of films and the movie business on society. This course is cross-listed with TAFILM 300. It may be taken only once for credit as TAFILM 300 or as ENGLT 400, but not both.

ENGLT 401 Women in Film and Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

From its earliest days, Hollywood has played an important role in shaping and reflecting cultural assumptions, myths, and fears. This course examines the underlying messages about race and gender in Hollywood's portrayal of women. The course also compares and contrasts representation of different groups of women, including minority and marginalized, in independent and experimental films. In addition to viewing a variety of film genres, the reading assignments include works of fiction, poetry, and essays from sociology, psychology, and critical theory.

ENGLT 403 Film Adaptations

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; CSU Area C2; IGETC Area 3A; IGETC Area 3B

This course examines the process, pitfalls, and successes of adapting literary, stage, and previous film material into films. The course will discuss faithful and unfaithful adaptations, reading the original texts and viewing the films with an awareness of their historical and cultural contexts. The course analyzes intention, creative distinctions, and the limits and strengths of each medium.

ENGLT 404 Documentary Film Studies

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGRD 11 and ENGWR 51 with grades of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

In this course, students view, discuss, and analyze documentary films. Students will learn about the history of documentary films, viewing several classics. The course develops a vocabulary of film terminology and helps students to be able view documentaries aesthetically as well as for their content. Documentaries are analyzed as artistic expressions that develop out of their historical and cultural contexts. Students will view and discuss foreign language documentaries, contemporary box office hits, and independent film documentaries.

ENGLT 480 World Literature: Antiquity to the Early Modern World - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Enrollment Limitation: Eligibility for the Honors Program.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
C-ID: C-ID ENGL 140

This course is a comparative study of works that have made important contributions to world literature. Students learn to recognize and explain developmental stages and important themes in representative works written from antiquity to the early modern period and to analyze literary expressions of values, ideas, and multicultural issues typical of major world cultures. An important purpose of the course is to examine significant aspects of culture, social experiences, and contributions of non-western cultures. The class is conducted as a seminar in which students give at least one oral presentation and write a minimum of 6,000 words, including at least one textual analysis and one research paper.

ENGLT 481 World Literature: Seventeenth Century to Present - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Enrollment Limitation: Eligibility for the Honors Program.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
C-ID: C-ID ENGL 145

This course is a comparative study of works that have made important contributions to world literature. Students learn to recognize and explain developmental stages and important themes in representative works written from the seventeenth-century to the present and to analyze literary expressions of values, ideas, and multicultural issues typical of major world cultures. An important purpose of the course is to examine significant aspects of culture, social experiences, and contributions of non-western cultures. The class is conducted as a seminar in which students give at least one oral presentation and write a minimum of 6,000 words, including at least two textual analyses and one research paper.

ENGLT 494 Topics in Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course is scheduled as needed under a title describing specific content. Students study the works of a significant writer or group of writers or of work on one theme, region, vocation, or human experience. Possible titles: Death in Literature, The Literature of the Occult, The Hero in Fiction, The Love Story, The Literature of War. This course is not recommended as a substitute for genre or survey courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ENGLT 495 Independent Studies in Literature

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

Independent study allows a student or small group of students to work directly with an instructor independent from a structured class or course. The instructor and student(s) typically develop a contract together, outlining the course of study. Variable units enable maximum flexibility in creating this course of study. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ENGLT 499 Experimental Offering in Literature

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

English - Reading (ENGRD) Courses

ENGRD 10 Basic Reading Skill Development

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Corequisite: ENGLB 55

This course provides competency-based instruction for improving literal comprehension, vocabulary development, and dictionary skills.

ENGRD 11 Reading Skill Development

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGRD 10 with a grade of "C" or better
Corequisite: ENGLB 55

This course provides competency and strategy-based instruction for improving skills basic to all reading. It involves intensive work with literal comprehension, beginning inferential comprehension, vocabulary development, and study skills, including practice with various kinds of reading materials. Completion of ENGLB 55 may be recommended by the instructor.

ENGRD 110 Comprehension Strategies and Vocabulary Development For College

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGRD 11 with a grade of "C" or better
Corequisite: ENGLB 55

This course is designed to develop efficient reading skills and strategies required of community college students. Areas of concentration include vocabulary development, literal and inferential comprehension skills, and study strategies for reading a variety of college-level texts: fiction and non-fiction essays and articles, novels, and textbooks. ENGLB 55 may be recommended by the instructor for students who need more reading skill practice.

ENGRD 118 Accelerated College Reading

Units: 2
Hours: 36 hours LEC
Prerequisite: ENGRD 11 with a grade of "C" or better, or placement through the assessment process.
Corequisite: ENGRD 310

This course provides intensive instruction and practice in critical reading and thinking skills necessary for success in ENGRD 310. Reading assignments are connected to assignments in ENGRD 310, so that the student might succeed at that course.

ENGRD 208 Reading for Academic Achievement

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGRD 110 with a grade of "C" or better, or placement through the assessment process.
Enrollment Limitation: This course is not open to students who have already completed ENGRD 310: Critical Reading as Critical Thinking or ENGRD 312: Academic Textbook Reading.

This course covers the theory and practice of analytical and speed reading skills and strategies required for proficient and effective reading of college level materials. The class focuses on the following: scaffolding of proficient comprehension skills; analytical evaluation of college level essays; critical reading skills for college level textbooks; using critical reading and thinking skills when reading on the Internet and doing research; vocabulary development; building of a flexible reading rate. These skills will be developed through application in varied reading materials. One or more additional hours in the Reading Lab may be recommended. This course is not open to students who have completed ENGRD 310 or ENGRD 312.

ENGRD 299 Experimental Offering in English - Reading

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ENGRD 310 Critical Reading as Critical Thinking

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGRD 110 with a grade of "C" or better, or placement through the assessment process.
Advisory: ENGWR 51 and LIBR 318 with grades of "C" or better
Transferable: CSU
General Education: AA/AS Area II(b); CSU Area A3

This course covers the theory and practice of advanced critical reading skills and strategies needed for college-level texts with emphasis on the following: critical and analytical evaluation of printed material, vocabulary development, proficient comprehension skills, development of efficient and flexible reading, and application in textbook and nonfiction reading. One or more additional hours per week in the Reading Lab may be recommended.

ENGRD 312 Academic Texts and the Self

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to refine students' ability to read, understand, and respond to textbooks in vocational courses such as nursing, aeronautics, and cosmetology, as well as in transfer-level courses such as business, geology, and psychology. Activities emphasize discipline-based vocabulary; reading strategies; critical thinking; interpretation of figures, facts, and data; and reading rates as they relate to academic success. Students may be recommended by the instructor to complete ENGLB 55.

ENGRD 315 Reading Across the Disciplines for Content Courses

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.
Corequisite: Another transfer-level content-area course
Transferable: CSU

This course offers reading skills to students as they apply to various content-area courses. Topics include the principles of the reading process, analysis of discipline-specific reading assignments, strategies for retention, and research strategies particular to the chosen discipline. Students should come to the Reading
Across the Disciplines (RAD) Center and meet with a RAD staff member before enrolling. This course is graded Pass/No Pass.

ENGRD 495 Independent Studies in English - Reading

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

Independent study allows a student or small group of students to work directly with an instructor independent from a structured class or course. The instructor and student(s) typically develop a contract together, outlining the course of study. Variable units enable maximum flexibility in creating this course of study.

ENGRD 499 Experimental Offering in English - Reading

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

English - Writing (ENGWR) Courses

ENGWR 51 Developmental Writing

Units: 4
Hours: 72 hours LEC
Prerequisite: None.

This course focuses on basic writing skills, emphasizing the connection between writing and reading. It offers individualized and group instruction for students who need to improve their ability to write increasingly complex and varied short essays.

Each student writes a minimum of 4,000 words divided into at least five essays (at least three of which will be written entirely in class and some of which may be in response to readings). The course includes principles of basic grammar, effective sentence structure, paragraph development, and analysis of and response to reading. Students will read at least one book-length work. Formerly known as ENGWR 50.

ENGWR 52 Developmental Writing Workshop

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Corequisite: ENGWR 51

This basic writing course is designed for students who need intensive instruction in how to write, revise, and edit drafts. Students will write a minimum total of 1,500 words divided among at least six assignments. The course includes principles of basic grammar, spelling, capitalization, punctuation, and sentence structure. This course is graded Pass/No Pass.

ENGWR 90 Preparation for English Writing - Success Academy

Units: 1
Hours: 18 hours LEC
Prerequisite: Placement through the assessment process

This course provides an introduction to student learning expectations and the outcomes of higher education. This course has a specific focus on English writing preparation through the implementation of individualized group instruction for students.

ENGWR 101 College Writing

Units: 4
Hours: 72 hours LEC
Prerequisite: ENGWR 51 with a grade of "C" or better, or placement through the assessment process.
Advisory: ENGLB 55 with a grade of "P" and ENGRD 110 with a grade of "C" or better

This writing course uses individual and group instruction to help students improve critical thinking and writing skills. Students will be assigned a minimum of 6,000 words including at least two in-class midterms and a departmental final exam. Writing assignments are often based on analysis of readings. The course prepares students for college composition. Formerly known as ENGWR 100.

ENGWR 108 Accelerated College Writing

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 51 with a grade of "C" or better, or placement through the assessment process.
Corequisite: ENGWR 300

This course provides intensive instruction and practice in the critical thinking and writing skills necessary for success in college composition. Writing assignments are often connected to the students' assignments in ENGWR 300. The course includes the drafting, revision, and editing processes as well as instruction in grammar, mechanics, and usage.

ENGWR 110 College Reading and Writing Skills

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Corequisite: ENGLB 55

This pre-transfer-level course is designed to prepare students for success in ENGWR 300 and other courses that require writing. Students will read primarily transfer-level non-fiction texts of varying length, and write essays responding to and incorporating these readings. The course will focus on reading and writing fundamentals, such as active reading strategies, writing process, thesis development, paragraph structure, logical support, and sentence awareness. A half-unit Reading and Writing Lab (ENGLB 55) is also required to provide more individualized support.

ENGWR 157 University Preparatory Writing

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This writing course uses individual and group instruction to help students improve critical thinking and writing skills. Each student writes 6,000 words (approximately five to six essays), including at least two in-class essays and one in-class final exam. Writing assignments are largely based on analysis of readings. This course prepares students for university-level writing courses.

ENGWR 299 Experimental Offering in English - Writing

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ENGWR 300 College Composition

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 110 or ENGWR 101 with a grade of "C" or better, concurrent enrollment in ENGWR 108, or placement through the assessment process.
Advisory: ENGRD 310 and LIBR 318 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(a); CSU Area A2; IGETC Area 1A
C-ID: C-ID ENGL 100

This writing course emphasizes reading, writing, and critical thinking skills that are essential for successful completion of a four-year college program. Students write a minimum of 6,500 words divided among 6-8 essays, including at least one research paper and one in-class essay. This course satisfies the writing competency requirement for graduation.

ENGWR 301 College Composition and Literature

Units: 3

Hours: 54 hours LEC
Prerequisite: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(a); AA/AS Area I; CSU Area A3; IGETC Area 1B
C-ID: C-ID ENGL 120

ENGWR 301 is an introduction to critical thinking and writing about works in the four major genres of literature: poetry, drama, short story, and novel. In the course, students: 1) further their study and practice in analytical reading and writing; 2) cover principles of logic such as inductive and deductive reasoning, recognizing logical fallacies, and suspending judgment; 3) learn to apply the conventions of literary criticism and to analyze, interpret, and explicate literary works. Students are required to write a minimum of 6,000 words presenting reasoned arguments of literary texts.

ENGWR 302 Advanced Composition and Critical Thinking

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300, ENGWR 488, or ESLW 340 with a grade of "C" or better
Advisory: LIBR 318
Transferable: CSU; UC
General Education: AA/AS Area II(b); AA/AS Area II(a); CSU Area A3; IGETC Area 1B
C-ID: C-ID ENGL 105

This course develops composition skills at the advanced level as well as analytical skills through writing, reading, and discussion. It examines methods by which people are persuaded to think, believe, and/or act. It also includes analyzing arguments or expressions of opinions for their validity and soundness and evaluating outside sources. Finally, it focuses on critically assessing, developing, supporting, and effectively expressing opinions on issues. It emphasizes thinking clearly and organizing thought carefully in writing by using principles of logic. This course includes writing a minimum of 6,500 words.

ENGWR 303 Argumentative Writing and Critical Thinking Through Literature

Units: 4
Hours: 72 hours LEC
Prerequisite: ENGWR 300, ENGWR 488, or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC (302 and 303 combined: maximum credit, one course)
General Education: AA/AS Area II(b); AA/AS Area II(a); AA/AS Area I; CSU Area A3; IGETC Area 1B
C-ID: C-ID ENGL 110; C-ID ENGL 120

Through the study of complex literary works in all major genres, this course offers instruction in analytical, critical, and argumentative writing; critical thinking; research strategies; information literacy; and proper documentation. Close reading skills and the aesthetic qualities of literature are also studied. A minimum of 6,000 words of formal writing will be required. Attendance at readings, plays, or films may be required. Online students have the option of watching these online.

ENGWR 330 Writing for Publication

Same As: JOUR 340
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better or placement through the assessment process.
Transferable: CSU

This is an introductory course in writing nonfiction for publication. Emphasis will be on developing a saleable article for magazines, newspapers, or online media sources; finding ideas; analyzing publications; writing a query letter; researching and interviewing; and organizing, writing, and illustrating an article. Credit may be awarded for ENGWR 330 or JOUR 340, but not for both.

ENGWR 384 Mass Media and Society

Same As: COMM 351 and JOUR 310
Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 51 or ESLW 310 with a grade of "C" or better; or placement into ENGWR 101 or ESLW 320 through the assessment process
Advisory: ENGWR 101 or ESLW 320 with a "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D4; IGETC Area 4G
C-ID: C-ID JOUR 100

This is an interdisciplinary course exploring aspects of communication and the impact of mass media on the individual and society. The survey includes basic communication models, books, magazines, newspapers, recordings, movies, radio, television, advertising, public relations, the Internet, theories of communication, relationships between mass media and business and government, and processes and effects from a social science perspective. Credit may be awarded for only one section of either COMM 351, ENGWR 384, or JOUR 310.

ENGWR 482 Honors Advanced Composition and Critical Thinking

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 or 488 with a grade of "C" or better
Enrollment Limitation: Eligibility for the Honors Program
Transferable: CSU; UC
General Education: AA/AS Area II(b); AA/AS Area II(a); CSU Area A3; IGETC Area 1B
C-ID: C-ID ENGL 105

ENGWR 482 is a course in critical reasoning, reading, and writing requiring a high level of competence in English composition. Students will read, discuss, and analyze complex texts (essay and book-length works) reflecting a variety of cultural, historical, and philosophical perspectives. The course includes inductive and deductive reasoning, analysis of fallacious reasoning, and use of persuasive language. The minimum word requirement of 6,500 words will be divided among at least four formal essays, ranging from 1,000-3,000 words each, two of which will include primary and secondary research and MLA format. This course is taught as a seminar; several group and individual class presentations will be required.

ENGWR 488 Honors College Composition and Research

Units: 4
Hours: 72 hours LEC
Prerequisite: ENGWR110 with a grade of "C" or better or eligibility based on college placement criteria.
Enrollment Limitation: Students must also be eligible for admission to the Honors Program.
Transferable: CSU; UC
General Education: AA/AS Area II(b); AA/AS Area II(a); CSU Area A2; IGETC Area 1A
C-ID: C-ID ENGL 100

This course offers the honors student a challenging curriculum that will develop skills in composition, critical thinking, and research. Students write a minimum of 6,500 words divided among at least four to six essays, including a significant research paper and at least one in-class essay. In addition to research assignments, students will read at least one full-length, supplemental text. In order to fulfill the honors requirement, students will complete a significant project and/or classroom presentation. This course was formerly known as ENGWR 480. This course is taught as a seminar; several group and individual class presentations/projects will be required.

ENGWR 495 Independent Studies in English - Writing

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

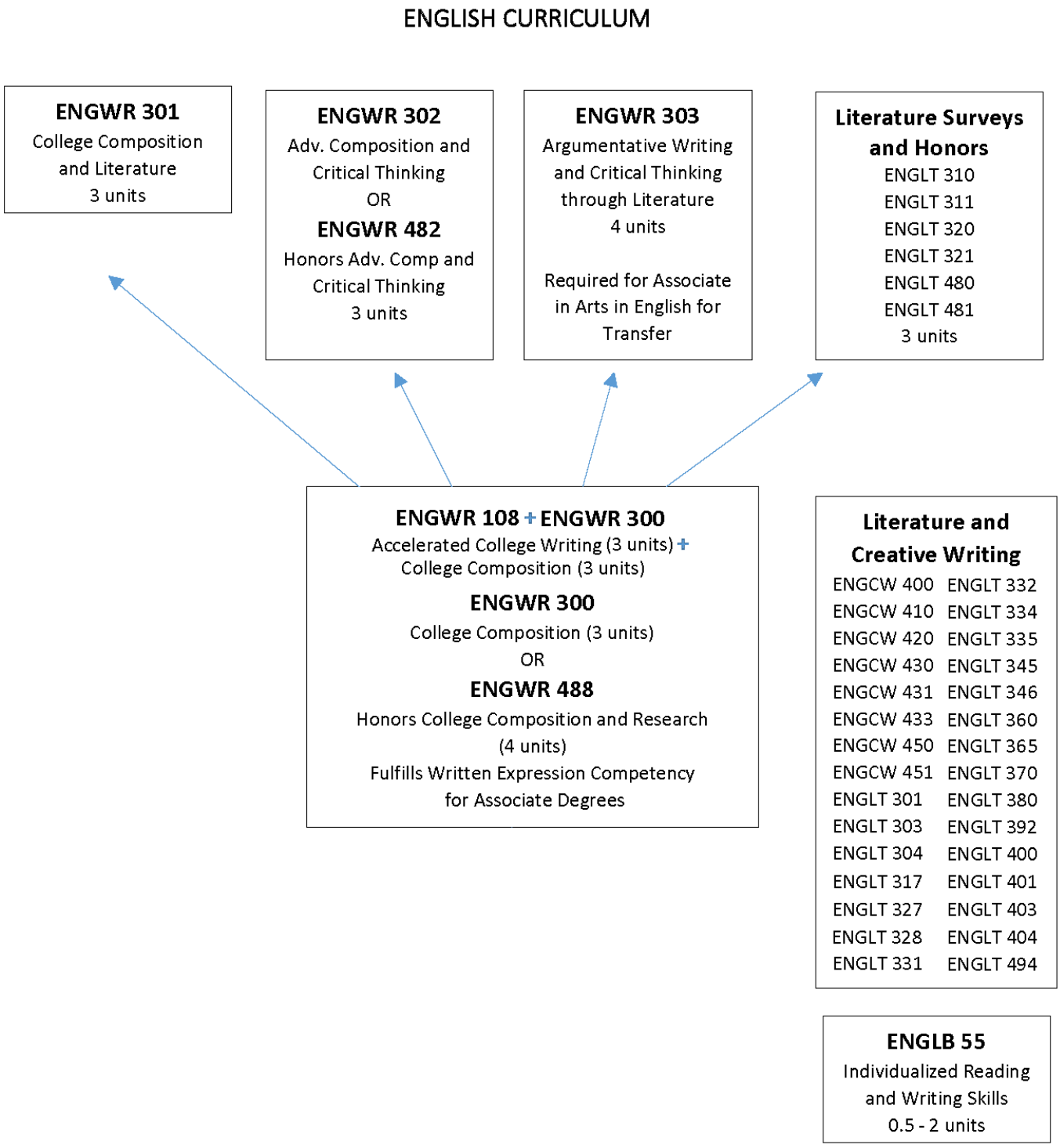
Independent study allows a student or small group of students to work directly with an instructor independent of a structured class or course. The instructor and student(s) typically develop a contract together, outlining the course of study. Variable units enable maximum flexibility in creating this course of study. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ENGWR 499 Experimental Offering in English - Writing

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

English Course Sequence



English as a Second Language (ESL)

The English as a Second Language (ESL) Department offers language classes at six levels, from beginning to advanced (graduation competency). We serve multilingual students, non-native speakers, long-term residents and international students who need instruction in the English language. Students who speak a language other than English at home are strongly advised to complete the Sacramento City College ESL assessment process in order to place in the appropriate level of instruction. Students can gain certificates at the intermediate and advanced levels of proficiency.

We recommend the following course sequences, depending on your ESL Placement (https://scc.losrios.edu/admissions/placement/english-as-a-second-language-(esl)-placement).

ESL Course Sequence (PDF) (scc/main/doc/3-Academics/2-Programs-and-Majors/English-Second-Language-ESL/esl-program-chart-course-sequence.pdf)

Certificates Offered

Advanced Proficiency in English as a Second Language Certificate

Dean Marci Selva

Department Chair Brett Thomas

Phone (916) 558-2347

Email ThomasB@scc.losrios.edu

Certificate of Achievement

Advanced Proficiency in English as a Second Language Certificate

The Advanced Proficiency Program recognizes attainment of English language abilities to an advanced-low level of English in listening, speaking, reading, writing, and grammar skills. It demonstrates achievement of skills used in academic courses at the community college level as well as in the workplace community.

Certificate Requirements

Course Code	Course Title	Units
ESL 114	Career Communication Skills: Intermediate	3
ESL 325	Advanced-Low Integrated Reading and Writing	6
ESLG 320	Advanced-Low Grammar	3
Total Units:		**12**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- recognize cultural practices common to workplace situations in the United States.
- demonstrate communication skills necessary in the workplace.
- employ a variety of active reading strategies and adjust reading speed appropriately to address a full range of reading tasks including reading for inferences and bias.
- analyze and evaluate a variety of texts.
- cite outside sources correctly by using quotations, paraphrases, and summaries in writing assignments.
- compose and edit clear, well-developed, and organized essays on academic topics.
- revise and edit to achieve clarity of ideas and correctness of grammar, punctuation, and mechanics.
- use a variety of sentence types with sophisticated logical connectors.

English as a Second Language (ESL) Courses

ESL 37 Novice-High Integrated Reading and Writing

Units: 6
Hours: 108 hours LEC
Prerequisite: None.
Advisory: Concurrent enrollment in ESLLAB 30, ESLG 31, and ESLL 31. Advise adult school before taking any novice-high ESL courses.

This course focuses on learning academic reading and writing skills at the novice-high level, with an emphasis on vocabulary, reading comprehension, and the writing process. Students will read and discuss fiction and non-fiction texts. Students will develop simple and compound sentence control and will practice writing short paragraphs with a clear beginning, middle, and end, based on course readings. This course is part of the reading and writing sequence which prepares ESL students to take college courses leading to a certificate, degree, and/or transfer.

ESL 40 ESL Through Computer Technology

Units: 2
Hours: 36 hours LEC
Prerequisite: ESL 37, ESLG 31, or ESLL 31 with a grade of "C" or better, or placement through the assessment process.

The course is designed to introduce students to essential vocabulary and language skills connected with computer usage. It includes use of student e-mail, the Sacramento City college website, basic word processing, and the Internet. This course is offered as Pass/No Pass only.

ESL 47 Intermediate-Low Integrated Reading and Writing

Units: 6
Hours: 108 hours LEC
Prerequisite: ESL 37 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESLLAB 40, ESLG 41, and ESLL 41.

This course focuses on developing academic reading and writing skills at the intermediate-low level with an emphasis on vocabulary, reading comprehension, critical thinking, and the writing process. With the information gathered through readings, students begin to use academic content to supplement their ideas in writing. Students build skills in pre-writing, learn to write strong paragraphs, and construct a variety of sentence types. This course is part of the reading and writing sequence which prepares ESL students to take college courses leading to a certificate, degree, and/or transfer.

ESL 55 Intermediate-Mid Integrated Reading and Writing

Units: 6
Hours: 108 hours LEC
Prerequisite: ESL 47 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESLLAB 50, ESLG 51, and ESLL 51.

This integrated-skills course focuses on developing academic reading and writing skills at the intermediate-mid level. Emphasis is on vocabulary expansion, literal comprehension, inference, and academic writing skills in multi-paragraph essays. Reading and writing topics are integrated; students will practice critical thinking skills to understand, analyze, discuss, and write academic compositions based on ideas expressed in readings.

ESL 114 Career Communication Skills: Intermediate

Units: 3
Hours: 54 hours LEC
Prerequisite: Any two courses of the following courses: ESLG 51, ESLL 51, or ESL 55
Advisory: Concurrent enrollment in ESLLAB 61.

This course gives students the opportunity to develop oral and written communication skills needed for success in job searches and career development. Students discuss cultural practices and learn language patterns applicable to the hiring process in addition to preparing resumes, cover letters, and reference lists.

ESL 299 Experimental Offering in English as a Second Language

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ESL 315 Intermediate-High Integrated Reading and Writing

Units: 6
Hours: 108 hours LEC
Prerequisite: ESL 55 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESLLAB 60 and ESLG 310.
Transferable: CSU; UC

This integrated-skills course focuses on strengthening academic reading and writing skills at the pre-college level. The emphasis is on reading comprehension and analysis, vocabulary expansion, and writing in response to readings. This course is part of the reading-writing sequence which prepares ESL students to take college courses leading to a certificate, degree, and/or transfer.

ESL 325 Advanced-Low Integrated Reading and Writing

Units: 6
Hours: 108 hours LEC
Prerequisite: ESL 315 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESLLAB 70 and ESLG 320.
Transferable: CSU; UC

This course prepares students for ESLW 340, ENGWR 300 and college writing in general. It focuses on college reading strategies and academic writing skills with an emphasis on reading analysis, academic vocabulary, reading-based writing. Students write a minimum of 6,000 words, including first-drafts of essays, revisions, and a final exam.

ESL 495 Independent Studies in English as a Second Language

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

An independent studies project involves an individual student or small group of students in study, research, or activities beyond the scope of regularly offered courses.

ESL 499 Experimental Offering in English as a Second Language

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

English as a Second Language - Grammar (ESLG) Courses

ESLG 31 Basic English Grammar

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Concurrent enrollment in ESL 37 and ESLL 31 or other courses at the appropriate level. Students should attend adult school before taking ESLG 31.

This course provides English language learners with an introduction to the basics of English grammar. Students will practice fundamental grammatical structures in statements and questions. This course is part of the grammar sequence that prepares ESL students to take college courses leading to a certificate, degree, and/or transfer.

ESLG 41 Elements of English Sentences

Units: 3
Hours: 54 hours LEC
Prerequisite: ESLG 31 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in other ESL 47, ESLL 41, and ESLLAB 41

This course focuses on learning academic grammar skills at the intermediate-low level, with an emphasis on fundamental grammatical structures in statements and questions. This course is part of the grammar sequence that prepares ESL students to take college courses leading to a certificate, degree, or transfer.

ESLG 51 Grammar for Intermediate ESL Writers

Units: 3
Hours: 54 hours LEC
Prerequisite: ESLG 41 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESL 55, ESLL 51, and ESLLAB 51.

This course concentrates on the fundamental grammatical structures of English at the intermediate-mid level. Students will develop skill and accuracy in using these grammatical structures in appropriate contexts. Oral and written practice activities emphasize verb tenses and sentence structure.

ESLG 310 Intermediate-High Grammar

Units: 3
Hours: 54 hours LEC
Prerequisite: ESLG 51 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESL 315 and ESLLAB 61.
Transferable: CSU

This course focuses on further practice of the forms, meanings, and usage of grammatical structures of English at the intermediate-high level with an emphasis on verb usage. Students will continue to develop their skills and accuracy in using these grammatical structures in appropriate contexts. Both oral and written activities will focus on verb tenses, noun phrase formation, and clauses.

ESLG 320 Advanced-Low Grammar

Units: 3
Hours: 54 hours LEC
Prerequisite: ESLG 310 with a grade of "C" or better; or, for students not previously enrolled in ESL courses within the Los Rios district, placement through the Los Rios assessment process.
Advisory: Concurrent enrollment in ESL 325 and ESLLAB 71.
Transferable: CSU; UC

This course focuses on the forms and meanings of major structures used in writing at the advanced-low level with an emphasis on clause structure. Oral practice reinforces the structures studied. Students practice writing extensively. Assignments emphasize sentence structure in the context of longer written work.

ESLG 499 Experimental Offering in English as a Second Language - Grammar

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

English as a Second Language - Listening (ESLL) Courses

ESLL 31 Listening and Speaking for College Readiness

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Concurrent enrollment in ESL 37 and ESLG 31 or other courses at the appropriate level. Students should attend adult school before taking ESLL 31.

This course is part of the listening and speaking sequence that prepares ESL students to take college courses leading to a certificate, degree, and/or transfer. Students focus on learning vocabulary, participate in a variety of listening activities, and discuss a wide variety of topics. Students will learn to recognize and begin to produce the sounds, stress, rhythm, and intonation patterns of American English.

ESLL 41 Listening, Speaking and Presentation Skills for College

Units: 3
Hours: 54 hours LEC
Prerequisite: ESLL 31 with a grade of "C" or better, or placement through the assessment process.

This course is part of the listening and speaking sequence that prepares ESL students to take college courses leading to a certificate, degree, and/or transfer. Students focus on developing phrases and sentences to communicate their ideas in academic situations. This course includes group and individual listening and speaking activities including practice in the stress, rhythm, and intonation patterns of standard American English.

ESLL 51 Academic Communication, Notetaking, and College Success Skills

Units: 3
Hours: 54 hours LEC
Prerequisite: ESLL 41 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESLLAB 51, ESLG 51, and ESL 55.

This is a course in listening comprehension and speaking strategies for students at the intermediate-mid level. Students will be introduced to academic listening and speaking activities, including note-taking, and will work on improving their pronunciation and communication skills.

English as a Second Language - Pronunciation (ESLP) Courses

ESLP 85 Pronunciation

Units: 2
Hours: 36 hours LEC
Prerequisite: Completion of ESLL 41 with a grade of "C" or better; or for students not previously enrolled in ESL courses within the Los Rios district, placement through the SCC assessment process.

This elective course is designed for students who need to improve their pronunciation. It offers intensive practice in the pronunciation and recognition of American English sounds. Students will practice American English intonation patterns, syllable number and stress, and sentence rhythm and stress.

English as a Second Language - Reading (ESLR) Courses

ESLR 340 Advanced Reading Skills Through Literature

Units: 4
Hours: 72 hours LEC
Prerequisite: ESL 325 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESLLAB at the appropriate level.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2

This course is designed to improve vocabulary and reading skills for advanced students. Readings include selected essays, poetry, plays, short stories, and novels. Students will read and discuss literature from a variety of cultural perspectives, including non-Western and non-Eurocentric authors and texts. This course develops a critical awareness of the multicultural contributions of, and social experiences of, underrepresented ethnic/racial minority groups in the United States. Throughout the course, students will also juxtapose their own experience, and that of their culture, with the U.S. social experience exposed in the texts. This course emphasizes critical thinking skills and reading strategies needed for academic performance: (1) vocabulary development, (2) analysis and comprehension skills, (3) flexibility of reading rate. The course also emphasizes the comparison and contrast of universal and metaphorical themes.

ESLR 499 Experimental Offering in English as a Second Language - Reading

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

English as a Second Language - Writing (ESLW) Courses

ESLW 85 Parts of Speech

Units: 2
Hours: 36 hours LEC
Prerequisite: ESL 47 or ESLG 41 with a grade of "C" or better, or placement through the assessment process.

This course covers the most important parts of speech in English. Students will learn to identify and use nouns, pronouns, adjectives, adverbs, verbs, prepositions, and conjunctions in their writing.

ESLW 86 Spelling

Units: 2
Hours: 36 hours LEC
Prerequisite: ESL 47 or ESLG 41 with a grade of "C" or better, or placement through the assessment process.

This course is designed for students who need to improve their spelling. It includes an introduction to the basic spelling rules and patterns of English. Students will also learn to recognize and differentiate homophones and to recognize and utilize common affixes and plurals. Students will develop competence in the ability to spell.

ESLW 299 Experimental Offering in English as a Second Language - Writing

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ESLW 340 Advanced Composition

Units: 4
Hours: 72 hours LEC
Prerequisite: ESL 325 with a grade of "C" or better; or, for students not previously enrolled in ESL writing courses within the Los Rios district, placement through the Los Rios assessment process.
Advisory: Completion of ESLG 320 with a grade of "C" or better; concurrent enrollment in an ESL support lab or other ESL courses at the appropriate level; completion of LIBR 318 with a grade of "C" or better; Concurrent enrollment in ESLLAB at the appropriate level.
Transferable: CSU; UC
General Education: AA/AS Area II(a); CSU Area A2; IGETC Area 1A
C-ID: C-ID ENGL 100

This college composition course emphasizes advanced writing, reading, critical thinking, and research skills essential for successful completion of a college degree. It focuses on the needs of multilingual writers by addressing specific language and cultural content required for academic success at the college level. Writing assignments include expository and argumentative prose based on the analysis of texts that include diverse perspectives. Students write a minimum of 6,500 words divided among six to eight essays, including at least one research paper.

ESLW 341 Developing Editing Skills and Advanced Grammar Review for ESL Writers

Units: 2
Hours: 36 hours LEC
Prerequisite: ESLG 320 with a grade of "C" or better and either ESL 315 or ESLW 310 or higher with a grade of "C" or better; OR placement through the Los Rios assessment process.
Transferable: CSU

This course is designed to help students increase awareness of higher level ESL grammar errors commonly made in the composition process. Reading, writing, and editing assignments focus on improved analysis, the development of self-help strategies, sentence structure, and the English verb system. This course is most beneficial when taken concurrently with an advanced writing course. This course may be taken before or after ESLW 342. ESLW 341 may be taken for a letter grade or for Pass/No Pass grading.

ESLW 342 Building Editing Skills and Advanced Grammar Review for ESL Writers

Units: 2
Hours: 36 hours LEC
Prerequisite: ESLG 320 with a grade of "C" or better and either ESL 315 or ESLW 310 orhigher with a grade of "C" or better; or placement through the Los Rios process.
Transferable: CSU

This course is designed to help students increase their awareness of higher level ESL grammar errors commonly made in the composition process. Reading, writing, and editing assignments focus on improved analysis, the development of self-help strategies, clarity, conciseness, and punctuation. This course is most beneficial when taken concurrently with an advanced writing course. ESLW 342 may be taken before or after ESLW 341. ESLW 342 may be taken for a letter grade or for Pass/No Pass grading.

ESLW 499 Experimental Offering in English as a Second Language - Writing

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

English as a Second Language Accelerated (ESLA) Courses

ESLA 299 Experimental Offering in English as a Second Language Accelerated

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ESLA 499 Experimental Offering in English as a Second Language Accelerated

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

English as a Second Language Lab (ESLLAB) Courses

ESLLAB 30 ESL Center: Novice-High Skills in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: None.
Advisory: Concurrent enrollment in ESL 37.

This lab course offers students practice in reading, formatting/mechanics, writing, and/or grammar skills at the novice-high level. Students confer with the lab instructor to design a study plan to refine basic English language skills. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. This course is most beneficial when taken concurrently with ESL 37. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours. Students can only take 0.5 unit of this course per semester. This course may be taken three times for credit using different modules.

ESLLAB 31 Novice-High Support in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: None.
Advisory: Concurrent enrollment in ESLG 31 or ESLL 31.

This lab course offers students practice in listening, speaking, pronunciation, oral grammar, and other language skills at the novice-high level. Students confer with the lab instructor to design a study plan to refine basic English oral skills. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. This course is most beneficial when taken concurrently with ESLL 31. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours. This course may be taken three times for credit using different modules.

ESLLAB 40 ESL Center: Intermediate-Low Skills in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESL 37, ESLG 31, or ESLL 31 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESL 47.

This lab course offers students practice in reading, formatting and mechanics, writing, and grammar skills at the intermediate-low level. Students confer with the lab instructor to design a study plan to refine basic English language skills. Supervised and facilitated by the instructor, this course

provides individualized and small group instruction to students. This course is most beneficial when taken concurrently with ESL 47. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours. Students can only take 0.5 unit of this course per semester. This course may be taken three times for credit using different modules.

ESLLAB 41 ESL Center: Intermediate-Low Support in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESLG 31 or ESLL 31 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESLG 41 or ESLL 41.

This lab course offers students practice in listening, speaking, pronunciation, oral grammar and other language skills at the intermediate-low level. Students confer with the lab instructor to design a study plan to refine intermediate-low English oral skills. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. This course is most beneficial when taken concurrently with ESLL 41. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours. Students can only take 0.5 unit of this course per semester. This course may be taken three times for credit using different modules.

ESLLAB 50 ESL Center: Intermediate-Mid Skills in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESL 47, ESLG 41, or ESLL 41 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESL 55.

This lab course offers students practice in writing, grammar, editing, and reading skills at the intermediate-mid level. Students confer with the lab instructor to design a study plan to refine English language skills at the intermediate-mid level. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. It is most beneficial when taken concurrently with ESL 55. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours. Students can only take 0.5 unit of this course per semester.

ESLLAB 51 ESL Center: Intermediate-Mid Support in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESLG 41 or ESLL 41 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in ESLG 51 or ESLL 51.

This lab course offers students practice in listening, speaking, pronunciation, oral grammar and other language skills at the at the intermediate-mid level. Students confer with the lab instructor to design a study plan to refine intermediate-mid English oral skills. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours. Students can only take 0.5 unit of this course per semester.

ESLLAB 60 ESL Center: Intermediate-High Skills in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESL 55, ESLG 51, or ESLL 51 with a grade of "C" or better, or placement through the assessment process.; or placement in ENGWR 300.
Advisory: Concurrent enrollment in ESL 315.

This lab course offers students practice in reading, grammar, editing, and writing skills at the intermediate-high level. Students confer with the lab instructor to design a study plan to refine essential English language skills. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. This course is most beneficial when taken concurrently with ESL 315. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours. Students can only take 0.5 unit of this course per semester.

ESLLAB 61 ESL Center: Intermediate-High Support in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESLG 51 or ESLL 51 with a grade of "C" or better, or placement through the assessment process.; or placement in ENGWR 300.
Advisory: Concurrent enrollment in ESLG 310 or ESL 114.

This lab course offers students practice in listening, speaking, pronunciation, oral grammar, and other language skills at the intermediate-high level. Students confer with the lab instructor to design a study plan to refine essential English oral skills. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. This course is most beneficial when taken concurrently with other level-appropriate ESL classes. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours. Students can only take 0.5 unit of this course per semester.

ESLLAB 70 ESL Center: Advanced-Low Skills in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESL 114, ESL 315, or ESLG 310 with a grade of "C" or better, or placement through the assessment process.; or placement in ENGWR 300
Advisory: Concurrent enrollment in ESL 325.

This lab course refines students' skills in grammar, editing, reading, and/or writing skills at the advanced-low level. Students meet with the lab instructor to design a study plan to develop and reinforce skills at the advanced-low level. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. This course is most beneficial when taken concurrently with ESL 325. Students can only take 0.5 units of this course per semester. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours.

ESLLAB 71 ESL Center: Advanced-Low Support in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESL 114 or ESLG 310 with a grade of "C" or better, or placement through the assessment process.; or placement in ENGWR 300.
Advisory: Concurrent enrollment in ESLG 320.

This lab course offers students practice in listening, speaking, pronunciation, oral grammar, and other language skills at the advanced-low level. Students confer with the lab instructor to design a study plan to refine advanced-low English oral skills. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. Students can take this course for only 0.5 units per semester. Students receive a grade of Pass and 0.5 units of credit for the completion of 27 lab hours.

ESLLAB 80 ESL Center: Advanced Skills in ESL

Units: 0.5 - 1.5
Hours: 27 - 81 hours LAB
Prerequisite: ESL 325 or ESLG 320 with a grade of "C" or better, or placement through the assessment process.; or placement in ENGWR 300.
Advisory: Concurrent enrollment in ESLW 340, ESLR 340, or ENGWR 300 or higher.

This lab course offers students practice in grammar, editing, reading and/or writing skills at the advanced level. Students confer with the lab instructor to design a study plan to refine English language skills. Supervised and facilitated by the instructor, this course provides individualized plans and goals, and small group instruction to students. This course is most beneficial when taken concurrently with ESLW 340 or ESLR340. Students receive a grade of Pass and 0.5 units for the completion of 27 lab hours. This course may be taken three times for credit using different modules. Students may take 0.5 units of the total 1.5 units possible per semester.

ESLLAB 299 Experimental Offering in English as a Second Language Lab

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

ESLLAB 499 Experimental Offering in English as a Second Language Lab

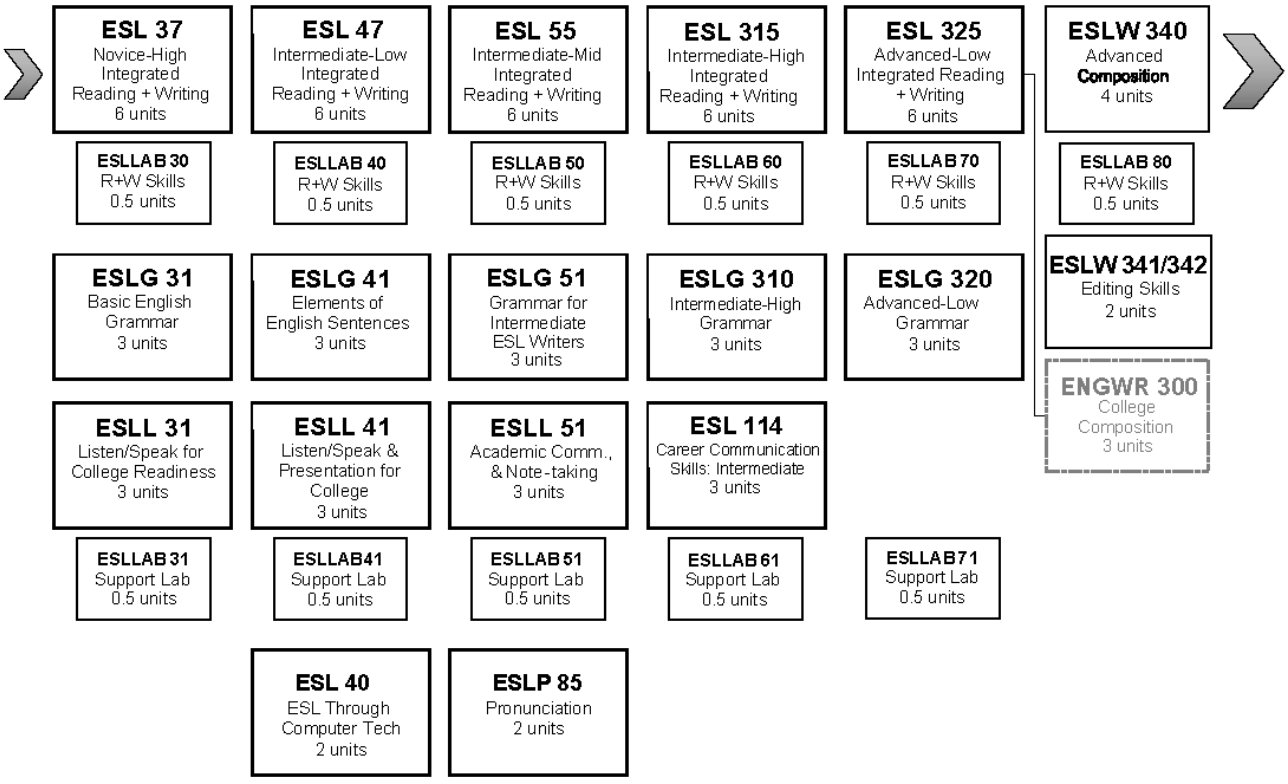
Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

English as a Second Language (ESL) Course Sequence

English as a Second Language Program

SACRAMENTO CITY COLLEGE



NOTES:

An Intermediate Certificate is awarded by the ESL Department upon successful completion of ESL 55, ESLG 51, and ESLL 51. An Advanced Certificate can be added to student transcripts upon successful completion of ESL 325, ESLG 320, and ESL 114. Contact the ESL Dept. Chair for information on Certificates.

- ESLW 340 and ENGWR 300 are equivalent as both satisfy AA English Writing requirements as well as CSU (A2) and IGETC (A1) English writing transfer requirement.
- ESL 325 serves as a prerequisite for both ESLW 340 and ENGWR 300.
- ESL 37, 47, 55, 315, & 325 are combined reading-writing courses. There are no longer separate R or W courses in Los Rios except at the Advanced level. Contact the ESL Dept. Chair for course numbers and unit values prior to Fall 2020.
- Skills Labs (30-40-50-60-70-80) are strongly advised for the level, and to support students in the combined courses. Support Labs (31-41-51-61-71) offer support in all other skill areas with personalized study plans. Labs are advisories, but are highly recommended.

Ethnic Studies

Sacramento City College recognizes the need for a more extensive inclusion of minorities in the American educational system. The Ethnic Studies Program at Sacramento City College is, therefore, open to all students and serves as a response to the needs, demands, and experiences of Sacramento's minority communities. It can be of vital importance to the student because the program makes available a broader perspective on ethnic groups not ordinarily provided in primary and secondary educational institutions. Sacramento City College offers a broad array of courses in African American Studies, Asian American Studies, Mexican American/Chicano Studies, Native American Studies, Gender and Ethnicity, and The European Experience. The program offers a course on the Introduction to Ethnic Studies along with general courses on American ethnic groups in Sociology, Psychology, Anthropology, and History.

Degrees Offered

A.A. in Ethnic Studies

Dean Dennis Lee
Program Contact Keith R. V. Heningburg
Phone (916) 558-2401
Email SCC-BSS@losrios.edu

Associate Degree

A.A. in Ethnic Studies

Sacramento City College recognizes the need for a more extensive inclusion of minorities in the American educational system. The Ethnic Studies Program at Sacramento City College is, therefore, open to all students and serves as a response to the needs, demands, and experiences of Sacramento's minority communities. It can be of vital importance to the student because the program makes available a broader perspective on ethnic groups not ordinarily provided in primary and secondary educational institutions. Sacramento City College offers a broad array of courses in African American Studies, Asian American Studies, Mexican American/Chicano Studies, Native American Studies, Gender and Ethnicity, and The European Experience. The program offers a course on the Introduction to Ethnic Studies along with general courses on American ethnic groups in Sociology, Psychology, Anthropology, and History.

Degree Requirements

Course Code	Course Title	Units
ETHNS 300	Introduction to Ethnic Studies	3
A minimum of 18 units from the following:		18
ANTH 481	Honors Cultural Anthropology (3)	
or ANTH 310	Cultural Anthropology (3)	
ETHNS 320	The African American Experience (3)	
ETHNS 330	The Asian American Experience in America (3)	
ETHNS 340	Chicanos/Mexican Americans in the U.S. (3)	
ETHNS 341	The Sociology & Psychology of Mexicans and Latinos in the U.S. (3)	
ETHNS 350	Introduction to Native American Studies (3)	
ETHNS 351	Native American Culture and the Impact of Federal Policy (3)	
PSYC 367	Psychology of Minorities (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
Total Units:		**21**

The Ethnic Studies Associate in Arts (A.A.) degree may be obtained by completion of 60 transferable, semester units, including (a) the major or area of emphasis described in the Required Program, and (b) one of the following: the SCC General Education, the Intersegmental General Education Transfer Curriculum (IGETC), or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate critical thinking, communication, and research skills relative to ethnic minorities in the United States.
- evaluate and discuss various interdisciplinary approaches to the study of ethnic minorities in the United States.
- analyze and discuss the social, political, economic, and cultural experience of ethnic minorities in the United States.
- demonstrate an understanding of ethnic minorities relative to history, politics, social sciences, and the humanities.

Career Information

The Ethnic Studies program will prepare students who wish to transfer to an Ethnic Studies program at a four-year institution. Ethnic Studies provides the student with various career opportunities such as equity officer, social worker, diversity director, ethnologist, human relations personnel, and human resources personnel. The program will also provide a background to students hoping to teach in primary or post-secondary school programs.

Ethnic Studies (ETHNS) Courses

ETHNS 300 Introduction to Ethnic Studies

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 300); UC (Formerly approved for SOCSC 300.)
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course uses comparative methods to introduce the diverse institutional, cultural, and historical issues relating to the past and present life circumstances of Asian Americans, Mexican/Hispanic/Chicano/Latino Americans, African Americans, Native Americans, and other recent immigrant groups. The course is designed to introduce students to information presented in upper division courses with ethnic studies content. This course was formerly known as SOCSC 300, Introduction to Ethnic Studies.

ETHNS 320 The African American Experience

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 320); UC (Formerly approved for SOCSC 320.)
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course is an inter-disciplinary overview of the cultural, economic, historic, social, and political issues in the life of African Americans in the United States. It will expose students of all ethnic backgrounds to the issues germane to the experience of African Americans in the United States. This course was formerly known as SOCSC 320, The Socio-Cultural, Economic, and Political Experience of the African-American.

ETHNS 330 The Asian American Experience in America

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 325); UC (Formerly approved for SOCSC 325.)
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course is an introduction to and an investigation of the Asian-American's role in the United States, with emphasis on historical and cultural contributions from the time of immigration to the present day. This course was formerly known as SOCSC 325.

ETHNS 340 Chicanos/Mexican Americans in the U.S.

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 330.); UC (Formerly approved for SOCSC 330.)
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course examines the social, economic, political, organizing, identity, migration, immigration, legal, linguistic, and cultural developments of Chicanas and Chicanos in the United States through a historical perspective. The history of Chicanas/os covers over 500 years and is complicated, varied, and multi-layered. We cannot justly cover all aspects of this historical trajectory. Instead, we will focus on key moments and critical transformations in the Chicana/o historical and contemporary experiences. We will use the themes of “power relations” and “resistance” as experienced by Chicanas/os to gain a better understanding of the complexity and diversity of the Chicano peoples. Additionally, our goal is to comprehend how race and ethnicity, class, gender, region, migration/immigration, and sexuality have shaped Chicana/o identity and history. Topics we will address include (but are not limited to) historical conquests and resistance; cultural contact and conflict; war and manifest destiny; migration, immigration, community formation, and identity; race relations; the Chicano Movement; and personal narratives. This course was formerly known as SOCSC 330.

ETHNS 341 The Sociology & Psychology of Mexicans and Latinos in the U.S.

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 332.); UC (Formerly approved for SOCSC 332.)
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

In this course, students will examine the cultural, sociological, and psychological experience of Mexicans and Latinos in the United States. This course will give students the opportunity to analyze the ways in which Mexican and Latino communities are shaped by family dynamics, socio-economic structures, and religious and educational institutions. Complex issues of identity, assimilation, and self-esteem will also be addressed. This course was formerly known as SOCSC 332.

ETHNS 350 Introduction to Native American Studies

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 335.); UC (Formerly approved for SOCSC 335.)
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course is a survey of traditional cultures of Native American people of North America that focuses on the social, religious, economic, and artistic nature of various Native groups. The antiquity, distribution, and linguistic history of Native cultures are integrated with the contemporary status of Native cultural traditions regarding social change and adaptation. The geographic, cultural, historical, and botanical environment of local Native cultures will be emphasized. An optional field trip may be included. This course is formerly known as SOCSC 335.

ETHNS 351 Native American Culture and the Impact of Federal Policy

Units: 3
Hours: 54 hours LEC

Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 336.); UC (Formerly approved for SOCSC 336 .)
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course is an in-depth study comparing Native American traditional cultures and religions in response to the impact of the European invasion. This course includes a review of tribal origins and oral traditions; 'Manifest Destiny'; the impact of treaties; land in trust; and European/Spanish/French culture and religious influences on indigenous people of the Americas. The course also covers disease epidemics; colonization; missionization; religious resistance (The Ghost Dance); attempts at assimilation; the establishment of the Bureau of Indian Affairs; removal policies; reservation policies; boarding schools and the influence of Christianity on Indian children; the Dawes Allotment Act; citizenship; reorganization; termination, relocation and urbanization; social resistance; self determination (includes issues of religious freedom and the use of Peyote); the Indian Civil Rights Act; sacred sites; restoration; and the Native American Graves Protection and Repatriation Act; as well as cultural appropriation of indigenous religion. An optional field trip may be included. This course is formerly known as SOCSC 336.

ETHNS 495 Independent Studies in Ethnic Studies

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Advisory: ENGWR 101 (College Writing) or ESLW 340 (Advanced Composition) with grades of "C" or better.

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered ethnic studies courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

ETHNS 499 Experimental Offering in Ethnic Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Family and Consumer Science

The Family and Consumer Science Associate in Arts Degree is designed to provide an occupational program of study for students interested in pursuing careers related to Child Development, Early Childhood Education, Family Studies, Fashion, Food Preparation, Interior Design, Gerontology, Life Management, or Nutrition. Courses within the curriculum provide course work to meet state licensing requirements to work with individuals across the age span and provide part of the undergraduate requirements necessary for students wishing to transfer to a four-year institution. Selected courses provide students with lifelong learning skills. Students with Associate in Arts degrees in Family and Consumer Science will have studied the relationship between the physical, social, emotional, and intellectual environment in and of the home and family and the development of individuals, including instruction in the natural and social sciences and humanities in the development of attitudes, knowledge, and ability pertaining to programs in fashion, interior design, life management, child development, family studies, and gerontology, and nutrition, foods, and culinary arts.

Degrees Offered

A.A. in Family and Consumer Science

A.S. in Nutrition

Dean Dennis Lee

Department Chairs Nadine Kirkpatrick
Amy Strimling

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees

A.A. in Family and Consumer Science

The Family and Consumer Science Associate in Arts Degree is designed to provide an occupational program of study for students interested in pursuing careers related to Child Development, Early Childhood Education, Family Studies, Fashion, Food Preparation, Interior Design, Gerontology, Life Management, or Nutrition. Courses within the curriculum provide course work to meet state licensing requirements to work with individuals across the age span and provide part of the undergraduate requirements necessary for students wishing to transfer to a four-year institution. Selected courses provide students with lifelong learning skills. Students with Associate in Arts degrees in Family and Consumer Science will have studied the relationship between the physical, social, emotional, and intellectual environment in and of the home and family and the development of individuals, including instruction in the natural and social sciences and humanities in the development of attitudes, knowledge, and ability pertaining to programs in fashion, interior design, life management, child development, family studies, and gerontology, and nutrition, foods, and culinary arts.

Transfer Students: Students who plan to complete the Bachelor's degree in Family and Consumer Science or related fields at four-year institutions should consult the "Preparing to Transfer" section of the Sacramento City College catalog and the related major sections of the catalog for the institution to which they wish to transfer. Consultation with the Family and Consumer Science faculty and with counselors is advised.

Degree Requirements

Course Code	Course Title	Units
ECE 314	The Child, the Family and the Community	3
ECE 322	Promoting Children's Social Competence	3
FASHN 310	Fashion Analysis/Clothing Selection	3
FASHN 320	Textiles	3
FASHN 351	Applied Apparel Studies / Intermediate Principles of Construction	3
GERON 300	Sociology of Aging (3)	3
or SOC 335	Sociology of Aging (3)	
GERON 302	Psychology of Aging: Adult Development and Aging (3)	3
or PSYC 374	Psychology of Aging: Adult Development and Aging (3)	
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
NUTRI 330	Food Theory and Preparation	4
SOC 310	Marriage and the Family	3
Total Units:		**31**

The Family and Consumer Science Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- integrate knowledge across a wide range of contexts in the area of Family and Consumer Science.
- locate, evaluate, and use information effectively.
- write with precision and clarity to express complex thought.
- read college-level materials with understanding and insight.
- maintain and transfer academic and technical skills to workplace.
- be life-long learners.
- demonstrate understanding of and tolerance for ethnic, religious, gender, age, and socioeconomic diversity.
- research and evaluate current trends related to content areas.

Career Information

Opportunities for students with an Associate in Arts Degree in Family and Consumer Sciences would include: Child

Development/Resource and Referral Specialist, Early Intervention Assistant, Para-educator, Family Support Service Worker, Community Activity Planner, Community Services Worker, Recreation Specialist, Senior Supportive Services, Human Services Worker, Social Work Assistant, Family Services Worker, Life Skills Counselor, Community Support Worker, Mental Health Aide, Registry Coordinator, and Intergenerational Care Provider. By careful selection of required and elective courses, students can develop a broad major or prepare themselves for advanced study leading to such careers as: Dietitian, Foods Consultant, Market Consultant, Clothing Designer, Family and Consumer Science Educator, Public Utility Field Representative, Interior Designer, Extension Service Advisor, Educator in Child Development and Family Relations, Consultant in Consumer Economics, Researcher in Textiles, Foods, Child Development, and Gerontology.

A.S. in Nutrition

Sacramento City College's Family and Consumer Science Department offers a rigorous nutrition degree program that is broad enough to prepare the student for further study in a variety of nutrition areas including: nutrition science research, food science and technology, dietetics, industry, and many other evolving nutrition-related fields.

All students must complete the Required Program plus either the CSU Path or the UC Path.

It is important to note that each four-year college or university has slightly different requirements for transfer so it is critical for students interested in this major to map out their academic plan with a counselor.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I (5)	5
or CHEM 305	Introduction to Chemistry (5)	
or CHEM 309	Integrated General, Organic, and Biological Chemistry (5)	
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
STAT 300	Introduction to Probability and Statistics (4)	4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
Subtotal Units:		**12**

CSU Path

Course Code	Course Title	Units
BIOL 440	General Microbiology	4
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
CSU Path Units:		7
Total Units:		**19**

UC Path

Course Code	Course Title	Units
BIOL 402	Cell and Molecular Biology	5
CHEM 420	Organic Chemistry I	5
UC Path Units:		10
Total Units:		**22**

The Nutrition Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain the principles of nutrition and their effects on health.
- assess the various sources of nutrition information and demonstrate where to find reliable nutrition information.
- analyze a diet for adequacy, balance, and moderation.
- demonstrate an understanding of the relationships between chemistry, biology, and nutrition.

Family and Consumer Science (FCS) Courses

FCS 294 Topics in Family and Consumer Science

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.

This course is designed to give the students an opportunity to study topics in Family and Consumer Science that are consumer or job oriented and not included in current course offerings. Topic courses may be taken 1 time for credit.

FCS 295 Independent Studies in Family and Consumer Science

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This is an independent studies course in Family and Consumer Sciences. Related projects will be assigned under the supervision of a Family and Consumer Sciences faculty member.

FCS 324 Human Development: A Life Span

Same As: PSYC 370
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4
C-ID: C-ID PSY 180

Students will study the physical, cognitive, social, and emotional development of humans from conception through the life span. Emphasis will be placed on the theoretical and practical application of developmental principles including atypical aspects of development. Major developmental theories concerning life span development will be studied. Topics from conception to death will be presented including: conception, prenatal development, including prenatal developmental complications, physical, cognitive, social, emotional developmental, and developmental issues. Included in these broad developmental areas are learning, brain development, personality, morality, and societal influences on development. Atypical development and challenges to optimal development will be included. The course also examines end of life issues and bereavement. This is a foundational course for careers in the educational, social, psychological, and medical fields. Students may receive credit for FCS 324 or PSYC 370, but not both.

FCS 495 Independent Studies in Family and Consumer Science

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

Independent Studies in Family and Consumer Education offers students the opportunity to explore topics and interests that are not available through a current semester's regular course offerings. Students must have a faculty member willing to support and evaluate the student's progress towards the student's learning objectives. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

FCS 499 Experimental Offering in Family and Consumer Science

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Fashion

The Applied Apparel Studies program is designed to provide a program of study for the student interested in pursuing a career in fashion as a cutter-draper, tailor, pattern drafter, alterationist, or fiber artist in fashion studios or costume work rooms. Selected courses provide students with lifelong learning knowledge and consumer skills. California's apparel industry is a major success story. It is an important, but often overlooked, contributor to the state's economy. San Francisco and Los Angeles are the largest centers for apparel manufacturing outside of New York City. One of the largest apparel wholesale markets in the world is the California Mart in Los Angeles. California apparel jobs have steadily grown with the success of the industry. Jobs increased in the 2010's, a time when the rest of the U.S. lost apparel jobs, and have steadily grown in numbers. This is because the high-end tasks, such as computer aided design and pattern making, size grading, and color setting, are performed in the U.S. as well as the planning and management of off-shore production. Emerging careers in this high growth industry will require state of the art high-tech training.

Degrees and Certificates Offered

A.A. in Applied Apparel Studies

Applied Apparel Studies Construction Certificate

Dean Dennis Lee

Program Contact Lynne Giovannetti

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degree

A.A. in Applied Apparel Studies

The Applied Apparel Studies program is designed to provide a program of study for the student interested in pursuing a career in fashion as a cutter-draper, tailor, pattern drafter, alterationist, or fiber artist in fashion studios or costume work rooms. Selected courses provide students with lifelong learning knowledge and consumer skills.

California's apparel industry is a major success story. It is an important, but often overlooked, contributor to the state's economy. San Francisco and Los Angeles are the largest centers for apparel manufacturing outside of New York City. One of the largest apparel wholesale markets in the world is the California Mart in Los Angeles.

California apparel jobs have steadily grown with the success of the industry. Jobs increased in the 2010's, a time when the rest of the U.S. lost apparel jobs, and have steadily grown in numbers. This is because the high-end tasks, such as computer aided design and pattern making, size grading, and color setting, are performed in the U.S. as well as the planning and management of off-shore production.

Emerging careers in this high growth industry will require state of the art high-tech training.

Degree Requirements

Course Code	Course Title	Units
FASHN 301	Apparel Construction	3
FASHN 310	Fashion Analysis/Clothing Selection	3
FASHN 312	Fashion for Film, Television, Stage and Illustration	3
FASHN 320	Textiles	3
FASHN 330	History of Western World Fashion	3
FASHN 335	Historic Costuming	3
FASHN 351	Applied Apparel Studies / Intermediate Principles of Construction	3
FASHN 352	Couture Construction, Draping and Corsets	3
FASHN 355	Applications in Tailoring and Pants	3
FASHN 364	Mens and Womens Pattern Drafting	3
FASHN 368	Stretch Wear	3
FASHN 390	Alteration Shop	3
FASHN 394	Apparel Entrepreneur	3
Total Units:		**39**

The Applied Apparel Studies Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- draw the clothed figure, rendering the sketch in different styles, poses, and fabrications on developed croquis in different media, emphasizing presentation techniques.
- assemble apparel products, applying techniques that meet the standards of quality construction for sewn products.
- integrate proper use, care, and maintenance of sewing machinery, equipment, and notions.
- apply pattern and fabric selection to appropriate designs that develop required sewing skills.
- apply layout and cutting techniques, use of industrial machines, professional pressing techniques, quality control and production procedures, and grading, sorting, and labeling of garments.
- manipulate pattern blocks and develop style changes with the flat pattern method of designing first patterns from a designer's trade sketch for targeted customers.
- use garment industry terminology and procedures for the process of marker making, multiple layer lay up, and use of industrial cutting equipment.
- construct devices to apply the evaluation of fit problems and the ability to solve figure differences in the garment through fitting skills.
- manipulate fabrics on a dress form to create designs without the use of drafted patterns using a variety of fabrics and design concepts.
- study and apply the elements and principles of design as related to apparel for individuals in contemporary

western fashion as compared to the influence of past fashions and other cultures.

- analyze and identify textile fibers, yarns, fabrications, dyestuffs, and finishes, and how they relate to performance and serviceability of materials.
- survey the evolution of apparel styles through history and explore the relationship of recurring style trends to contemporary fashions including sociological, technological, economic, and political factors.
- use microcomputers and Computer Aided Design (CAD) software for the apparel design processes used by manufacturers.
- develop basic patterns and sloper blocks utilizing standard and custom body measurements.
- demonstrate personal management skills such as planning, time management, and the ability to work cooperatively with others.

Career Information

Entry-level jobs in this field can be found in apparel production companies, apparel manufacturing plants, designer workrooms, custom sewing workrooms, and theatrical productions. This program can also prepare a student for self-employment or entrepreneurship. Examples of careers in fashion design and production include: assistant designer, CAD technician, computer digitizer, costing engineer, customer services, designer, design room assistant, fashion illustrator, fashion stylist, first pattern maker, grader, manufacturer's sales representative, marker maker, operation manager, piece goods buyer, product specialist, production manager, production pattern maker, quality controller, quick response manager, sales manager, sample maker, sewing room supervisor, showroom assistant, tailor, textile colorist, textile croquis painter, textile designer, textile researcher, textile tester, and trim buyer.

Certificate of Achievement

Applied Apparel Studies Construction Certificate

This certificate consists of four core Applied Apparel Studies courses. Textiles gives students an overview of appropriate fabrics to use for different applications. Premier Level Construction builds upon basic skills and adds fit, alteration, and construction of apparel. Intermediate Construction continues the understanding of fit, fabric selection, and detailed seaming techniques. Advanced Couture Construction lifts the skill level to an advanced placement. These four courses provides students the tools needed for entry-level jobs in multiple subject areas.

Certificate Requirements

Course Code	Course Title	Units
FASHN 320	Textiles	3
FASHN 351	Applied Apparel Studies / Intermediate Principles of Construction	3
FASHN 352	Couture Construction, Draping and Corsets	3
Total Units:		**9**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify names and characteristics of various fibers and weaves.
- choose appropriate fabrics for different project applications.
- layout, cut, fit, and build garments from commercial patterns.
- analyze, assess, and alter commercial patterns.

Career Information

This certificate prepares students for entry level jobs in the apparel industry and costume studios.

Fashion (FASHN) Courses

FASHN 299 Experimental Offering in Fashion

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

FASHN 301 Apparel Construction

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: LIBR 318 and MATH 34 with grades of "C" or better
Transferable: CSU
General Education: AA/AS Area III(b)

This course covers the basic techniques for construction of men's, women's, and children's clothing and home accessories along with fabric manipulation and embellishments. Students will learn about materials and sewing supplies selection, sewing machine operation, and reading pattern instructions. Students will explore theories and concepts of construction of simple garments and interior use projects. Technical construction techniques are included along with the use and understanding of a sew-thru 1/8" grid ruler, tape measure, and yardstick. Students will calculate and recognize measurements for the purpose of purchasing fabric. This course is designed for the student with little or no previous sewing experience. The cost per student to participate is approximately $30-$50. One field trip is required.

FASHN 310 Fashion Analysis/Clothing Selection

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

Advisory: ENGRD 110 and ENGWR 101; or ESL 114; and LIBR 318 with grades of "C" or better.
Transferable: CSU

This is an introduction to the socio-psychological aspects of clothing within the U.S. culture. Clothing behaviors, as viewed through economic and political influences on fashion, fashion terminology, and past and present fashion cycles, are contrasted with other contemporary cultures around the world. Essential theories of color perception and applied problems dealing with color interaction, line, design, and texture will be presented. Analysis of wardrobe planning, buying ready-to-wear, and care and maintenance of family clothing are included.

FASHN 312 Fashion for Film, Television, Stage and Illustration

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340; FASHN 340, LIBR 318, and MATH 34 with grades of "C" or better.
Transferable: CSU

This course exposes the student to the procedures for research, understanding, and creation of fashions for film, television, stage and illustration of both costume and fashion design. This course is based on theory and practicum. Students will create a sketchbook based on three areas of fashion and costume needs. Students will read a script for a film and research time periods, textiles, and styles to include in sketches of their design concepts. Students will examine budgets, organization, and production breakdowns for a television show. Students will also read a script for a theatre production and research the period and design concepts to include in a character study of the correct costume designs. The cost per student to participate will be approximately $35-$50.

FASHN 320 Textiles

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESL 114; and LIBR 318 with grades of "C" or better.
Transferable: CSU; UC

This is a consumer-oriented introduction to textiles that includes study of the characteristics of fibers, yarns, and fabric construction, including weaves and fabric finishes. Information will be presented related to consumer satisfaction in selecting and caring for fabrics, apparel, furnishing, and other textile products in daily use. One field trip will be taken.

FASHN 330 History of Western World Fashion

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESL 114; and LIBR 318 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; CSU Area C2; IGETC Area 3B

Students will study dress in Western civilization from ancient times through the present. An interdisciplinary approach is used to examine how clothing communicates values displayed by the individual and functions as a reflection of trends in technology, political events, social ideals, and cultural developments in art and music. Emphasis will be placed on the evolution of apparel design and style through historic development. One field trip is required.

FASHN 335 Historic Costuming

Same As: TA 436
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; FASHN 340, FASHN 301, LIBR 318, and MATH 34 with grades of "C" or better.
Transferable: CSU; UC

The impact of social, political, cultural, and economic issues on costume is explored from the cradle of civilization through modern times. Specific periods of fashion are researched to design and construct historically correct garments. Students will learn how to apply the principles of modern pattern making to various historical styles and use this knowledge to design and create historical costumes. The unique cut and construction of each historical period is covered, from undergarments to accessories, for each fashion period. Students will learn to create necessary adaptations to these garments for successful stage applications. One field trip is required. Credit may be earned for FASHN 335 or TA 436, but not for both courses. The cost per student to participate is approximately $35-$90.

FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: FASHN 301 with a grade of "C" or better
Transferable: CSU

This course presents intermediate apparel construction techniques, such as working with more complex pattern adjustments, patterns, notions, and fabrics. Comprehensive custom sewing techniques for men, women, and children will be applied to four student-made garments. The course will instruct the students on the care and working knowledge of an industrial sewing machine.

One field trip is required. The cost per student is approximately $70-$100 for this course.

FASHN 352 Couture Construction, Draping and Corsets

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: FASHN 301, 320, 351, and 364 with grades of "C" or better; or equivalent
Transferable: CSU

This course covers apparel construction techniques applied to several challenging designs, which will be student-made using unusual and difficult fabrics. Couture construction techniques with applied details and finishes, usually found on more expensive garments, will be explored. The course will include draping techniques and corset construction. The course will

continue the instruction of the use and care of industrial sewing machines. One field trip is required. The cost per student to participate is approximately $70-$100.

FASHN 355 Applications in Tailoring and Pants

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: FASHN 320, 351, and 364 with grades of "C" or better; or equivalent
Transferable: CSU

This course is designed for the advanced clothing construction student who wishes to increase knowledge and proficiency in the many aspects of traditional and contemporary tailoring and construction of pants. Instruction will include custom fitting, equipment, and garment components selection and steps in the very fine handwork details and techniques of traditional tailoring for men's or women's suits, coats and pants. The course will also include speed construction techniques. One field trip may be required. The cost per student to participate in this course is approximately $40-$125.

FASHN 364 Mens and Womens Pattern Drafting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

Students will study the skills needed to construct men's and women's garments. Details will include measurements, pattern drafting, slopers, and blocks. In-depth treatments of pattern making will cover casual to tailored apparel for the modern man and woman. Students will complete a notebook. The cost per student to participate is $45 to $85.

FASHN 368 Stretch Wear

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: FASHN 301 and 351 with grades of "C" or better
Advisory: MATH 34 with a grade of "C" or better
Transferable: CSU

This course covers stretch wear from beginning to advanced sportswear such as skating, and athletic wear, to lingerie and couture-construction. Students will explore apparel fashioned in silk jersey utilizing tricky construction techniques for collars, cuffs, and pockets. Fibers, such as viscose and rayon jersey, will be explored. Students will construct garments utilizing industrial sewing and serger machines as well as in-class sergers. One field trip is required. The cost per student to participate in this course is approximately $60-$125.

FASHN 390 Alteration Shop

Units: 3
Hours: 18 hours LEC; 108 hours LAB
Prerequisite: FASHN 351 with a grade of "C" or better
Transferable: CSU

This course focuses on the operation and management of ready-to-wear garment alterations shop. It includes the study of starting an alterations business, local and government business rules and regulations, workroom supplies and equipment, workflow and scheduling, customer service, advertising and promotions, sales and costing, and performing garment alterations. Field trips may be required.

FASHN 394 Apparel Entrepreneur

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: BUS 100 with a grade of "C" or better
Transferable: CSU

This course provides essential business strategies for the fashion, costume, interior styling, staging, and production-related fields. Students will explore necessary business practices and practical aspects of setting up and running their own apparel and interior businesses. Topics will include ethical practices, methods of compensation, client budgets, estimating costs, re-sale licenses, billing, marketing, and sales. Students will develop a model business plan to include business cards, advertising, and business identity. One field trip is required.

FASHN 495 Independent Studies in Fashion

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course will give students the opportunities to investigate specific topics more directly.

FASHN 499 Experimental Offering in Fashion

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Foreign Languages

The goal of the Foreign Language department is to educate our students to their highest level of linguistic potential, helping them acquire proficiency in the four language skills (listening, speaking, reading and writing) so that they develop effective communication, creativity, critical thinking, and interpersonal skills. We strive to develop cross-cultural competency by teaching the understanding and appreciation of the diverse cultures of countries whose languages students are learning.

Degrees Offered

A.A.-T. in Spanish

A.A. in French

Dean Patti Leonard

Department Chair Mari Carmen Garcia

Phone (916) 650-2923

Email GarciaMC@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Spanish

The Associate in Arts in Spanish for Transfer degree (AA-T) will help students develop proficiency in the following five skills: comprehension, speaking, reading, writing, and understanding of the people and culture of the Spanish-speaking countries. It is designed to provide a seamless transfer pathway for students interested in pursuing a Spanish degree in the California State University (CSU) system. Upon successful completion of the degree requirements, students will be guaranteed admission to the CSU system with junior status and will not have to repeat lower division coursework. Students are encouraged to meet with a counselor to develop their educational plans because degree options and general education requirements vary for each university.

The Associate Degree for Transfer student completion requirements (as stated in SB1440 law):
(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE–Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
A minimum of 16 units from the following:		16[1]
A) Sequence for Spanish heritage speakers		
SPAN 411	Intermediate Spanish (4)	
SPAN 412	Intermediate Spanish (4)	
SPAN 413	Spanish for Native Speakers I (4)	
SPAN 415	Spanish for Native Speakers II (4)	
B) Sequence for non-Spanish heritage speakers		
SPAN 401	Elementary Spanish (4)	
SPAN 402	Elementary Spanish (4)	
SPAN 411	Intermediate Spanish (4)	
SPAN 412	Intermediate Spanish (4)	
A minimum of 3 units from the following:		3[2]
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 346	Latin American Literature (3)	
ETHNS 341	The Sociology & Psychology of Mexicans and Latinos in the U.S. (3)	
HIST 373	History of Mexico (3)	
HIST 375	The History of Modern Latin America and Caribbean (3)	
SPAN 425	Advanced Reading and Conversation (3)	
SPAN 427	Introduction to Spanish American Literature (3)	
Total Units:		**19**

[1]The recommended sequence for Spanish heritage speakers is: SPAN 413, 415, 411, and 412.

[2]Students who place out of any core courses need to consult with a Department faculty member to select alternative courses. At least 18 units in the major must be completed.

The Associate in Arts in Spanish for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate proficiency in the five skills as mandated by the competency guidelines of the American Council on the Teaching of Foreign Languages (ACTFL): comprehension, speaking, reading, writing, and understanding the people and culture of the Spanish-speaking countries.
- utilize correct grammatical structures of standard Spanish.
- read Spanish proficiently as found, for example, in Spanish language newspapers, magazines, short

stories, essays, and selections of poetry written by Spanish, Spanish-American, and Chicano authors.

- write analytically and critically about assigned readings, demonstrating appropriate writing and composition skills.
- examine Latin American literature in a historical context.
- analyze and discuss major historical events and periods in the history of Spanish-speaking countries.
- analyze aspects of the Spanish-speaking culture that differ significantly from contemporary United States culture.

Career Information

The Associate in Arts in Spanish for Transfer degree will be a valuable tool to help students find employment in the following fields and positions: airlines, travel, tourism, banking, bilingual education, foreign language teaching, teacher's aide, bilingual telecommunications, emergency services, international business, foreign service, foreign imports and exports, intelligence and military service, IRS and State Franchise Tax Board, overseas employment, business and commerce, law enforcement, Social Security officer, social services, translating and interpreting.

Associate Degrees

A.A. in French

The French Program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in French. The main objective of the AA program in French is to enable students to develop competence in the ability to understand, speak, read, and write French, and to acquire an understanding and appreciation of the multicultural French speaking world. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many have unique admissions and preparation-for-the-major requirements. Students should meet with a counselor to identify required courses and to develop a written plan for their targeted university.

Degree Requirements

Course Code	Course Title	Units
FREN 401	Elementary French	4
FREN 402	Elementary French	4
FREN 411	Intermediate French	4
FREN 412	Intermediate French	4
A minimum of 3 units from the following:		3
PHIL 331	History of Modern Philosophy (3)	
or HUM 310	Modern Humanities (3)	
or HIST 300	History of Western Civilization (3)	
or INDIS 352	French Life and Culture in Study Abroad (3)	
Total Units:		**19**

The French Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate comprehensive knowledge of French vocabulary.
- use proficient conversational skills in French.
- read and write in French.
- demonstrate introductory cultural and historic knowledge of French speaking people.

Career Information

French is adapted to careers in international business or trade, telecommunications, journalism, fashion, the gourmet food industry, travel and hospitality, medical research, international law, public relations, film and entertainment, diplomacy and the foreign service, aerospace technology, as well as careers in the arts and humanities.

Arabic (ARABIC) Courses

ARABIC 401 Elementary Arabic

Units: 5
Hours: 90 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This beginning course in Arabic emphasizes the development of listening, speaking, reading, and writing language skills; mastering the sound and writing systems of Arabic; understanding and using formulaic and functional phrases; using numbers; and mastering some basic morphological and syntactic features of the language.

ARABIC 402 Elementary Arabic

Units: 5
Hours: 90 hours LEC
Prerequisite: ARABIC 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course allows students to further develop language skills in understanding, speaking, reading, and writing Arabic. Students will learn past and future tenses and how to express negation, expand vocabulary relating to people, places, objects, and professions; and learn to keep a written journal in Arabic. The emphasis is on communicating effectively in Arabic.

Cantonese (CANT) Courses

CANT 401 Elementary Cantonese

Units: 4
Hours: 72 hours LEC
Prerequisite: None.

Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This beginning course in Cantonese emphasizes pronunciation drill, sentence pattern analysis, and the development of language skills in listening, speaking, reading, and writing. Fundamentals of character reading and writing will be introduced. The course also provides an introduction to the culture of Cantonese speaking regions of the world.

CANT 402 Elementary Cantonese

Units: 4
Hours: 72 hours LEC
Prerequisite: CANT 401 with a grade of "C" or better; or two years of high school Cantonese with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is the continuation of CANT 401. Further acquisition of language skills in listening, speaking, reading, and writing will be emphasized. Basic character reading and writing will be introduced. Students will gain proficiency in understanding and speaking Cantonese in everyday situations.

CANT 411 Intermediate Cantonese

Units: 4
Hours: 72 hours LEC
Prerequisite: CANT 402 with a grade of "C" or better; or three years of high school Cantonese with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

This course is the continuation of CANT 402 with a review of grammar and further development of reading and writing skills in Cantonese. Passages from Chinese literature and readings about Chinese society will be studied to provide a deeper understanding of Cantonese speaking cultures.

CANT 412 Intermediate Cantonese

Units: 4
Hours: 72 hours LEC
Prerequisite: CANT 411 with a grade of "C" or better; or four years of high school Cantonese with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

This course is the continuation of CANT 411 with further development of reading and writing skills in Cantonese. Passages from Chinese literature and reading on Chinese culture will be studied.

CANT 499 Experimental Offering in Cantonese

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

French (FREN) Courses

FREN 299 Experimental Offering in French

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

FREN 401 Elementary French

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

The course will focus on the development of all language skills (listening, reading, speaking, and writing) in a cultural context. Students will learn basic communications skills in the language as well as gain a deeper understanding of the peoples and culture of France and the Francophone world.

FREN 402 Elementary French

Units: 4
Hours: 72 hours LEC
Prerequisite: FREN 401 with a grade of "C" or better or two years high school French
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

The course will continue to focus on the development of all language skills (listening, reading, speaking, and writing) in a cultural context. Students will continue to learn and build basic communications skills in the language as well as gain a deeper understanding of the peoples and culture of France and the Francophone world.

FREN 411 Intermediate French

Units: 4
Hours: 72 hours LEC
Prerequisite: FREN 402 with a grade of "C" or better or three years of high school French.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

As a continuation of FREN 402, this course will continue to focus on the development of all language skills (listening, reading, speaking, and writing) in a cultural context. Students will continue to learn and build communications skills in the language as well as gain a deeper understanding of the peoples and culture of France and the Francophone world.

FREN 412 Intermediate French

Units: 4
Hours: 72 hours LEC
Prerequisite: FREN 411 with a grade of "C" or better; or four years of high school French
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

The course will continue to focus on the development of all language skills (listening, reading, speaking, and writing) in a cultural context. Students will continue to learn and build basic communications skills in the language as well as gain a deeper understanding of the peoples and culture of France and the Francophone world. Students are expected to be able to read French texts of increasing difficulty and express themselves orally and in writing at the intermediate level.

FREN 499 Experimental Offering in French

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Greek (GREEK) Courses

GREEK 401 Elementary Modern Standard Greek

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2

This beginning course in Modern Standard Greek will be conducted almost entirely in Greek. It will emphasize the development of language skills in listening, reading, speaking, and writing by focusing on the application of simple, grammatical concepts. These language skills will be embedded within a cultural context which introduces students to key elements of Greek culture.

GREEK 402 Elementary Modern Standard Greek

Units: 4
Hours: 72 hours LEC
Prerequisite: GREEK 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2

The four skills--understanding, speaking, reading, and writing--are further developed in this course. The course covers the following grammatical concepts: direct and indirect object pronouns, double object pronouns, introduction and practice of all regular verbs ending in –ω and -μαι, the preterit tense, the reflexive, the affirmative informal command, the uses of the verbs ξέρω (to know) and συναντώ (to meet), the prepositions για and γιατί, and a review of the verbs είμαι and έχω. These language skills will be embedded within a cultural context that continues and expands students' knowledge of key elements of Greek culture. Vocabulary, grammar and communication skills are built through the exploration of cultural areas such as the home, vacations, jobs, childhood, youth, expressing emotions, foods, markets, and restaurants.

Italian (ITAL) Courses

ITAL 401 Elementary Italian

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course introduces basic essentials of elementary grammar, sentence structure, and conversation. It also introduces Italian tradition and culture. Reading of simple prose will be included.

ITAL 402 Elementary Italian

Units: 4
Hours: 72 hours LEC
Prerequisite: ITAL 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is a continuation of ITAL 401. It includes additional grammar essentials, further practice in conversation and composition, and a continued study of Italian culture.

Japanese (JAPAN) Courses

JAPAN 299 Experimental Offering in Japanese

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

JAPAN 401 Elementary Japanese

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course focuses on the development of all language skills (speaking, listening, reading, and writing) within an historical and cultural context, reflecting the widely diverse and dynamic intellectual and artistic response of the Japanese to their own culture and the world around them. The study of Japanese within an integrated framework of historical and cultural references promotes an essential awareness of cultural difference. Vocabulary, idioms, and grammar are taught in a synthesis of hiragana, katakana, and kanji. Students are required to master: the hiragana syllabary of 46 basic hiragana and 23 additional phonemes; the first 45 out of 2,136 jōyō kanji (everyday-use Sino-Japanese characters); and acquire a passive knowledge of the katakana syllabary.

JAPAN 402 Elementary Japanese

Units: 4
Hours: 72 hours LEC
Prerequisite: JAPAN 401 with a grade of "C" or better

Transferable: CSU; UC (Reapproved Fall 2006 with appropriate prerequisite requirements)
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

In this course, students continue building a solid base of vocabulary and idioms in Japanese. Grammar includes more complex subordinate phrases and clauses. In addition to hiragana, students gain proficiency in the katakana syllabary and learn approximately 50 additional Sino-Japanese characters (kanji). Applied linguistic concepts occur within the context of an integrated examination of Japanese cultural and historical reference, reflecting both homogeneous and heterogeneous elements. The study of Japanese within this fertile framework promotes a vital cultural awareness, lending itself to fruitful cross-cultural analysis.

JAPAN 411 Intermediate Japanese

Units: 4
Hours: 72 hours LEC
Prerequisite: JAPAN 402 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

In this course, students continue learning vocabulary, idioms, and grammar with an emphasis on more complex sentence patterns, thus requiring understanding of additional verbal and adjectival conjugational patterns. Students are required to learn approximately 100 new kanji. Inclusive of previously mastered kanji, students will thus master a total estimated number of 200 kanji. Students are encouraged to learn some Japanese language skills independently, for example, through the development of various faculty-advised hobbies or interests, supplemented or aided by media resources as available. Discussions of Japanese culture continue via applied linguistic concepts. Language acquisition proceeds within the context of an integrated examination of Japanese cultural and historical reference, reflecting a rich tradition of both homogeneity and heterogeneity. The synthesis of culturally relevant materials along with the praxis of language acquisition lends itself to a fruitful promotion of cross-cultural analysis essential to a globalized world view.

JAPAN 412 Intermediate Japanese

Units: 4
Hours: 72 hours LEC
Prerequisite: JAPAN 411 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

In this course students learn new vocabulary, idioms, and grammar with the emphasis on Japanese language styles, for example, polite versus "humilific" expression styles. Students are required to learn approximately 100 additional Sino-Japanese characters, bringing the approximate number of mastered kanji to 300 in the two-year language sequence. Students learn to read and write simple sentences of literary Japanese. The course fully integrates culturally relevant aspects of the Japanese land and its people with close readings of famous literary works and exhaustive linguistic applications. By means of this framework of pragmatic language acquisition and skills, tempered with a multi-varied approach to culture, students are enabled to pursue more generalized cross-cultural analysis that is vital to a globalized world view.

JAPAN 499 Experimental Offering in Japanese

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Korean (KOREAN) Courses

KOREAN 401 Elementary Korean

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is designed for those who have minimal or no knowledge of Korean. The course will provide equal emphasis on reading, writing, speaking, and listening skills. The course is intended to help students acquire and develop a solid foundation of the modern Korean language.

KOREAN 402 Elementary Korean

Units: 4
Hours: 72 hours LEC
Prerequisite: KOREAN 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

The basic language skills of reading, writing, speaking, and comprehension are further developed in this course. The class introduces students to Korean script, hangul, as well as more complex grammatical concepts including connectives and indefinite pronouns.

Mandarin (MAND) Courses

MAND 101 Conversational Mandarin, Elementary

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This beginning course in conversational Mandarin emphasizes the development of oral language skills essential for understanding and speaking elementary Mandarin useful for everyday communication.

MAND 102 Conversational Mandarin, Elementary

Units: 3
Hours: 54 hours LEC
Prerequisite: MAND 101 with a grade of "C" or better

This course is a continuation of MAND 101. Further acquisition of language skills in understanding and speaking will be emphasized. Additional vocabulary and sentence patterns will

be introduced. Students will gain proficiency in understanding and speaking Mandarin in everyday situations.

MAND 299 Experimental Offering in Mandarin

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

MAND 401 Elementary Mandarin

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This beginning course in Mandarin Chinese emphasizes pronunciation drill, sentence pattern analysis, and the development of language skills in listening, speaking, reading, and writing. Character reading and writing are introduced. The students will also gain a better understanding of Chinese culture through the study of its language.

MAND 402 Elementary Mandarin

Units: 4
Hours: 72 hours LEC
Prerequisite: MAND 401 with a grade of "C" or better; Students who have taken two years of high school Mandarin will be prepared for this course.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is the continuation of MAND 401. Further acquisition of language skills in listening, speaking, reading, and writing will be emphasized. Additional character reading and writing skills will be developed. Students will gain proficiency in understanding and speaking Mandarin in everyday situations. Students will also gain a better understanding of Chinese culture through the study of its language.

MAND 405 Chinese Characters

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU; UC

This is a beginning course in the study of Chinese characters. Fundamentals of the Chinese written language will be taught with an emphasis on reading and writing Chinese characters common in daily usage.

MAND 411 Intermediate Mandarin

Units: 4
Hours: 72 hours LEC
Prerequisite: MAND 402 with a grade of "C" or better; or three years of high school Mandarin.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

This course is the continuation of MAND 402 with a review of grammar and further development of reading and writing skills in Mandarin. Passages from Chinese literature and readings on Chinese culture will be studied.

MAND 412 Intermediate Mandarin

Units: 4
Hours: 72 hours LEC
Prerequisite: MAND 411 with a grade of "C" or better; or four years of high school Mandarin.
Transferable: CSU; UC (Reapproved Fall 2006 with appropriate prerequisite requirements)
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

This course is the continuation of MAND 411 with further development of reading and writing skills in Mandarin. Passages from Chinese literature and readings on Chinese culture will be studied.

MAND 499 Experimental Offering in Mandarin

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Persian (PRSIAN) Courses

PRSIAN 401 Elementary Persian

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC (Corresponds to two years of high school study)
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This beginning course is an introduction to Persian, the modern language of Iran. The course will focus on the development of all language skills (listening, reading, speaking, and writing) in a cultural context. Students will learn basic communication skills in the language as well as gain a deeper understanding of the peoples and culture of Iran.

PRSIAN 402 Elementary Persian

Units: 4
Hours: 72 hours LEC
Prerequisite: PERSIAN 401 with a grade of "C" or better or equivalent.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This is a second semester course in Persian, the modern language of Iran. The course continues with the development of all language skills: listening, reading, speaking and writing. Students further develop their communication competency in the language and increase their understanding of Persian-speaking cultures.
After completing this course, students will be able to use language skills to navigate daily life in a Persian-speaking community.

Punjabi (PNJABI) Courses

PNJABI 401 Elementary Punjabi

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course introduces basic essentials of elementary grammar, sentence structure, and conversation. The course also introduces Punjabi history, traditions, and culture. Reading of simple prose will be included.

PNJABI 402 Elementary Punjabi

Units: 4
Hours: 72 hours LEC
Prerequisite: PNJABI 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is a continuation of PNJABI 401. It includes additional grammar essentials, further practice in conversation and composition, and a continued study of Punjabi culture.

PNJABI 499 Experimental Offering in Punjabi

Units: 0.5 - 4
Hours: 18 - 72 hours LEC
Prerequisite: None.
Transferable: CSU

This is an experimental course offering designed to provide students with courses not normally offered by the Foreign Language Department. Course topics will be structured around new and emerging issues related to the field of Foreign Languages.

Russian (RUSS) Courses

RUSS 101 Conversational Russian, Elementary

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
General Education: AA/AS Area I

This is a first semester introduction to the Russian language. It is designed for beginning students with little or no previous exposure to the language. It is characterized by an emerging ability to understand and produce appropriate responses in high-frequency situations and common expressions needed to communicate in everyday life. Emphasis will be on conversation and correct pronunciation. Students will acquire knowledge of the geography, Russian culture, customs, and people of regions where Russian is spoken.

RUSS 102 Conversational Russian, Elementary

Units: 3
Hours: 54 hours LEC
Prerequisite: RUSS 101 with a grade of "C" or better, or two years of high school Russian.
General Education: AA/AS Area I

This is second semester Conversational Russian, Elementary. It provides a refinement of skills begun in RUSS 101. Additional vocabulary and sentence patterns will be introduced. Students will gain proficiency in understanding and speaking Russian in everyday situations. Speaking and writing will be comprehensible to a sympathetic listener. Verbal and written expression will be limited to short, culturally appropriate communications on a broader scale than at the RUSS 101 level. The course further explores the Russian people and their cultures, including comparisons with the U.S. The emphasis is on speaking and oral comprehension. This course is conducted primarily in Russian.

RUSS 401 Elementary Russian

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is a comprehensive introduction to the contemporary Russian language and culture. Designed for learners with no previous knowledge of Russian, the course helps students develop all four basic communication skills (speaking, listening comprehension, reading, and writing.) The Russian culture is introduced through presentations, readings, and class discussions.

RUSS 402 Elementary Russian

Units: 4
Hours: 72 hours LEC
Prerequisite: RUSS 401 with a grade of "C" or better; or two years of high school Russian with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is a continuation of reading, writing, and conversation. The course extends the study of noun declensions and adds adjective declensions. The study of verb conjugations is also continued. The course further explores the Russian people and their culture, including comparisons with the U.S.

RUSS 411 Intermediate Russian

Units: 4
Hours: 72 hours LEC
Prerequisite: RUSS 402 with a grade of "C" or better; or three years of high school Russian.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

This is an intermediate course of the contemporary Russian language and culture.
The highlights of this course are: increasing emphasis on listening and speaking skills,
development of the vocabulary frequently used in mass media,
development of the ability to draw and summarize information from authentic online sources (written or spoken),
and further development of grammar skills.

The course includes discussions on cultural aspects of today's Russia.

RUSS 412 Intermediate Russian

Units: 4
Hours: 72 hours LEC
Prerequisite: RUSS 411 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6

This is the second semester of Intermediate course of the contemporary Russian language and culture. It exposes the students to strategies for producing a cohesive paragraph-length discourse. Used in the course are authentic contemporary readings from a variety of non-fiction genres (reporting, blogs, social media discussions, advertisement, etc.) and videos on a range of contemporary cultural topics. The course is based upon discussions on Russia’s geography, current affairs, and geopolitical situation. The highlights of the course are: increased emphasis on development of research skills and ability to summarize information obtained from authentic sources. Further expansion of vocabulary is achieved through exposure to various means of word formation.

RUSS 499 Experimental Offering in Russian

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Spanish (SPAN) Courses

SPAN 101 Conversational Spanish, Elementary

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This introductory course provides students with elementary skills for understanding and speaking Spanish. Common expressions needed to communicate in everyday living will be stressed, and emphasis will be on conversation. This course is characterized by an emerging ability to understand and produce appropriate responses in high frequency situations utilizing learned materials. Students will be introduced to various cultural aspects of different Spanish-speaking countries.

SPAN 102 Conversational Spanish, Elementary

Units: 3
Hours: 54 hours LEC
Prerequisite: SPAN 101 with a grade of "C" or better

This second semester course will continue to provide students with elementary skills for understanding and speaking Spanish. Common expressions needed to communicate in everyday living will be emphasized. Emphasis will be on conversation and correct pronunciation. Students will be introduced to various cultural aspects of different Spanish-speaking countries.

SPAN 111 Conversational Spanish, Intermediate

Units: 3
Hours: 54 hours LEC
Prerequisite: SPAN 102 with a grade of "C" or better

This third semester course is conducted exclusively in Spanish, and it provides students with continued practice in developing their skills for meaningful communication in the target language. Students will engage in interactive, social situations based on practical and relevant topics being studied. Emphasis will be on fostering oral proficiency and further development of Hispanic cultural awareness.

SPAN 112 Conversational Spanish, Intermediate

Units: 3
Hours: 54 hours LEC
Prerequisite: SPAN 111 with a grade of "C" or better

The emphasis of this course is primarily on developing the speaking ability of the students and their self-expression in brief, practical discussions. The concentration of this course is on verb-tense mastery, vocabulary, and idioms. Students will also learn about life and culture in Spanish-speaking countries.

SPAN 299 Experimental Offering in Spanish

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

SPAN 401 Elementary Spanish

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Advisory: ENGWR 51 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
C-ID: C-ID SPAN 100

This course introduces the language and culture of the Spanish-speaking world. It includes the development of listening, speaking, reading, and writing, with emphasis on the oral communication skills. It focuses on the application of simple, grammatical concepts. It also presents information about the geography, culture, and people of the Spanish-speaking world.

SPAN 402 Elementary Spanish

Units: 4
Hours: 72 hours LEC
Prerequisite: SPAN 401 with a grade of "C" or better, or two years of high school Spanish with a grade of "C" or better
Transferable: CSU; UC (Reapproved Fall 2006 with appropriate prerequisite requirements)
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
C-ID: C-ID SPAN 110

This course provides continued development of students' knowledge of the language and culture of the Spanish-speaking world. It includes further development of listening, speaking, reading, and writing, with continued emphasis on oral communication skills. It also presents additional information about the people, culture, and geography of the Spanish-speaking world.

SPAN 411 Intermediate Spanish

Units: 4
Hours: 72 hours LEC
Prerequisite: SPAN 402 with a grade of "C" or better, or three years of high school Spanish with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
C-ID: C-ID SPAN 200

This first-semester intermediate Spanish course is the continuation of SPAN 402. It provides further development of listening, speaking, reading, and writing, with continued emphasis on communicative skills. It covers more complex grammar topics. Students will be expected to engage in meaningful communicative situations without relying on learned responses. Additionally, students will increase their knowledge of the culture and customs of the Spanish-speaking world, and gain a deeper understanding of its values and traditions.

SPAN 412 Intermediate Spanish

Units: 4
Hours: 72 hours LEC
Prerequisite: SPAN 411 with a grade of "C" or better; or four years of high school Spanish with a "C" grade or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
C-ID: C-ID SPAN 210

This second semester of intermediate Spanish is designed to help students further develop skills acquired in SPAN 411. Readings in the original of the various literary genres (the short story, poetry, drama, the essay), by Hispanic authors, provide topics for discussion as well as venues in which to practice grammatical concepts and to develop vocabulary. Literary analysis is used as a tool for oral and written practice on grammatical points needed by the students. Students will develop increased cultural awareness and will continue to acquire knowledge of geography, culture, history, customs, traditions, and Spanish-speakers' contributions to the world community. The class is conducted exclusively in Spanish. Students will be able to handle complicated conversations using past and future time frames. The emphasis is on communication.

SPAN 413 Spanish for Native Speakers I

Units: 4
Hours: 72 hours LEC
Prerequisite: Spanish native speaker proficiency, or the equivalent intermediate level as assessed by the instructor
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
C-ID: C-ID SPAN 220

This course offers the fundamentals of spoken and written Spanish for the native speaker of Spanish. It covers the structure of the language, oral communication, and fundamentals of grammar and composition. Focus is placed primarily on the indicative tenses. The course also covers diacritical marks, such as the accent mark, and their uses. In addition, the course introduces the student to the geography, history, and culture of the Spanish-speaking world. This course is conducted in Spanish.

SPAN 415 Spanish for Native Speakers II

Units: 4
Hours: 72 hours LEC
Prerequisite: SPAN 413 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
C-ID: C-ID SPAN 230

This course is a continuation of SPAN 413. It offers the fundamentals of spoken and written Spanish for the native speaker of Spanish. It covers the structure of the language, oral communication, and fundamentals of grammar and composition. Focus is placed primarily on the conditional and subjunctive forms, the future tense, and the compound tenses. The course also covers diacritical marks, such as the accent mark, and their uses. In addition, the course introduces the student to the geography and culture of the Spanish speaking world. This course is conducted in Spanish.

SPAN 425 Advanced Reading and Conversation

Units: 3
Hours: 54 hours LEC
Prerequisite: SPAN 412 or 415 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This class focuses on building advanced reading and conversational skills in Spanish. The emphasis is on developing critical thinking skills and academic writing proficiency through a functional grammar approach. These language skills will be embedded within a cultural context which introduces students to key elements allowing them to gain a deeper understanding of the diverse Spanish speaking world. The readings and activities provided will allow students to discuss and give their point of view regarding the negative aspects of stereotypes, the new concepts of family, civil rights and immigration within Spanish speaking communities in the United States and abroad.

SPAN 427 Introduction to Spanish American Literature

Units: 3
Hours: 54 hours LEC
Prerequisite: SPAN 412 or 415 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course introduces students to Latin American literature and explores the relationship between Latin American literary movements and trends and historical periods. Different types of genres will be analyzed. Text selections will be read in their

original Spanish language. Class presentations and discussions will be in Spanish as well.

SPAN 428 Contrastive Grammar of English-Spanish

Units: 3
Hours: 54 hours LEC
Prerequisite: SPAN 412 or 415 with a grade of "C" or better
Transferable: CSU

This course presents the essential elements of Spanish grammar side by side with their grammatical equivalent in English. It allows native Spanish speakers and advanced Spanish learners to compare and contrast the grammars of both languages at a glance. It focuses upon the development of analytical abilities by presenting the interlingual differences between Spanish and English in a simple and direct way. Students will be provided with numerous exercises, through which the nature of such differences can be readily perceived and acted upon.

SPAN 434 Spanish for the Professions - Intermediate

Units: 3
Hours: 54 hours LEC
Prerequisite: SPAN 102 or 402 with a grade of "C" or better
Transferable: CSU

This is an intermediate course designed for persons in law enforcement, business and finance, social services, and the medical professions. The emphasis of the course is on acquiring verbal facility in interviewing, collecting data, giving instructions, and general courtesies. The course will help students acquire language proficiency while reviewing and broadening the grammar foundation attained in elementary Spanish. It will introduce specific vocabulary necessary for professionals to communicate successfully in a professional situation. The issue of cultural and behavioral attitudes appropriate for relating to persons of Hispanic heritage will be discussed.

SPAN 499 Experimental Offering in Spanish

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Tagalog (TGLG) Courses

TGLG 401 Elementary Tagalog

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is an introduction to Tagalog. It is designed for beginning students with limited or no previous exposure to the language. The course covers Tagalog sounds, pronunciation, pitch and intonations, basic vocabulary, and grammar. The focus is on developing vocabulary set in high occurrence sentence patterns relating to everyday situations such as greetings and introductions, making friends, talking about self and others, shopping, etc. Grammar will emphasize simple sentences, sentence formations, verb conjugations, and functions. The development of basic skills (listening, speaking, and writing) in a cultural context will be a special focus.

TGLG 402 Elementary Tagalog

Units: 4
Hours: 72 hours LEC
Prerequisite: TGLG 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course is a second semester course in Tagalog, which continues with the basic grammar and further development of all language skills. It allows continued refinement of the low-level skills begun in TGLG 401. The lessons further provide for the integrated development of listening, speaking, reading, and writing, working towards increased competency in communication. TGLG 402 continues teaching vocabulary, idioms, and more complex phrases and readings. Discussions on Filipino-American culture, history, and community will be highlighted when relevant to the appropriate use of language.

TGLG 499 Experimental Offering in Tagalog

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Vietnamese (VIET) Courses

VIET 401 Elementary Vietnamese

Units: 4
Hours: 72 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course will provide an introduction to the Vietnamese language at the Novice Low Level, which is characterized by an emerging ability to understand and produce appropriate responses in high-frequency situations utilizing learned materials, standardized messages, phrases and expressions including numbers, dates, days, weather, time, foods, and Vietnamese names. Speaking and writing will be comprehensible to a sympathetic listener, including a native speaker used to interacting with non-native speakers. Verbal written expression is limited to short, culturally-appropriate communication, including kinship terms and nouns of address. Students will acquire a knowledge and an appreciation of the geography, culture, and people of regions where Vietnamese is spoken and of Vietnamese speakers' contributions to North American and world-wide culture.

VIET 402 Elementary Vietnamese

Units: 4
Hours: 72 hours LEC

Prerequisite: VIET 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6

This course will provide continued refinement of the Novice Low Level skills begun in VIET 401 while working toward the Novice Mid and High Levels. The student will gain increased accuracy; improve ability to understand and produce appropriate responses in high frequency situations utilizing learned materials, standardized messages, phrases and expressions, including numbers, dates, days, weather, time, foods, and names of family members; and improve ability to understand discourse on an increased number of topics. Speaking and writing will be comprehensible to a sympathetic listener, including a native speaker used to interacting with non-native speakers, and will demonstrate an emerging ability to create with the language. Verbal and written expression will be limited to short, culturally appropriate communication with greater accuracy and on a broader scale of topics than that found at the VIET 401 level. Students will acquire a knowledge and an appreciation of the geography, culture, and people of regions where Vietnamese is spoken and of Vietnamese speakers' contributions to North American and world-wide culture.

VIET 499 Experimental Offering in Vietnamese

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Geography

Geography is the science of place and space. Geographers study the relationships among geographic places, natural systems, society and cultural activities, and the interdependence of these from the spatial perspective. There are two main branches of geography: human geography and physical geography. Human geography is concerned with the spatial aspects of the human endeavor. This examination includes the distribution of humans and their correspondent activities, how people use and perceive space, and how humans create and sustain their environs. Physical geography examines the physical elements and spatial processes related to the Earth's environmental systems. These include energy, air, water, weather, climate, landforms, soils, animals, plants, etc. In addition, geography is increasingly utilizing spatial technologies, such as Geographic Information Systems (GIS), Global Positioning Systems (GPS), and remotely-sensed imagery, to study the Earth and its inhabitants. The discipline of geography specifically examines the linkages between human activity and natural systems. Geographers were, in fact, among the first scientists to sound the alarm that human-induced changes to the environment were beginning to threaten the balance of life itself. Geographers today are active in the examination and planning of our communities and the development of our human landscapes along with the study of global warming, deforestation, pollution, and a variety of other environmental quandaries. The required and elective coursework for this degree will survey a broad spectrum of physical, human, and geo-spatial inquiry. As a result, the SCC Geography AA-T degree will provide transfer students with a solid foundation in geography as well as the standard prerequisites for upper-division coursework leading to the baccalaureate degree.

Degrees Offered

A.A.-T. in Geography

Dean Dennis Lee

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degree for Transfer

A.A.-T. in Geography

Geography is the science of place and space. Geographers study the relationships among geographic places, natural systems, society and cultural activities, and the interdependence of these from the spatial perspective.

There are two main branches of geography: human geography and physical geography. Human geography is concerned with the spatial aspects of the human endeavor. This examination includes the distribution of humans and their correspondent activities, how people use and perceive space, and how humans create and sustain their environs. Physical geography examines the physical elements and spatial processes related to the Earth's environmental systems. These include energy, air, water, weather, climate, landforms, soils, animals, plants, etc. In addition, geography is increasingly utilizing spatial technologies, such as Geographic Information Systems (GIS), Global Positioning Systems (GPS), and remotely-sensed imagery, to study the Earth and its inhabitants.

The discipline of geography specifically examines the linkages between human activity and natural systems. Geographers were, in fact, among the first scientists to sound the alarm that human-induced changes to the environment were beginning to threaten the balance of life itself. Geographers today are active in the examination and planning of our communities and the development of our human landscapes along with the study of global warming, deforestation, pollution, and a variety of other environmental quandaries.

The required and elective coursework for this degree will survey a broad spectrum of physical, human, and geo-spatial inquiry. As a result, the SCC Geography AA-T degree will provide transfer students with a solid foundation in geography as well as the standard prerequisites for upper-division coursework leading to the baccalaureate degree.

Note to Transfer Students:
Even though this transfer degree is designed to make transitioning to a California State University in this major as seamless as possible, it is strongly recommended that you meet with a counselor to construct an educational plan. This process will be imperative if you are planning to transfer to an alternative four-year university or college.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):
(1) Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
GEOG 300	Physical Geography: Exploring Earth's Environmental Systems	3
GEOG 301	Physical Geography Laboratory	1
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes	3
List A:		
A minimum of 6 units from the following:		6
GEOG 306	Weather and Climate (3)	
GEOG 320	World Regional Geography (3)	
GEOG 331	Exploring Maps and Geographic Technologies (3)	
GEOG 391	Field Studies in Geography: Mountain Landscapes (1 - 4)	
GEOG 392	Field Studies in Geography: Coastal Landscapes (1 - 4)	

Course Code	Course Title	Units
GEOG 393	Field Studies in Geography: Arid Landscapes (1 - 4)	
GEOG 394	Field Studies in Geography: Volcanic Landscapes (1 - 4)	
List B:		
A minimum of 6 units from the following:		6[1]
ANTH 481	Honors Cultural Anthropology (3)	
or ANTH 310	Cultural Anthropology (3)	
ECON 304	Principles of Microeconomics (3)	
GEOG 302	Environmental Studies & Sustainability (3)	
GEOG 305	Global Climate Change (3)	
GEOG 308	Introduction to Oceanography (3)	
GEOG 334	Introduction to GIS Software Applications (3)	
GEOG 353	Introduction to the Global Positioning System (GPS) (1)	
GEOL 302	Physical Geology (4)	
POLS 480	Introduction to International Relations - Honors (3)	
or POLS 310	Introduction to International Relations (3)	
Total Units:		**19**

[1]Students may also substitute courses from the previous list not already counted toward the degree.

The Associate in Arts in Geography for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- understand the general content and scope of collegiate level geography studies.
- compare and contrast the general biophysical and sociocultural differences and similarities among world regions.
- interpret maps and mapped data utilizing basic map elements, including scales, common coordinate systems, and map symbols.
- utilize geographic information technologies such as Geographic Information Systems (GIS), Global Positioning Systems (GPS), and remote sensing in understanding environmental and human phenomena.
- evaluate and analyze geographic problems and their solutions.
- communicate geographic information effectively in oral, written, and graphic form.

Career Information

The career opportunities available to someone earning a degree in geography are as varied as the discipline itself. Some career areas and specific occupations include: natural resource management; environmental conservation; international development; urban and regional planning; education (K-12 through University); tourism; cartography; climate science; park management; transportation planning and logistics; real estate; international business; marketing; land surveying; research science; remote sensing; demography; GIS analysis; and many more (please contact the department for additional information). Some career options may require more than two years of college study.

Geography (GEOG) Courses

GEOG 300 Physical Geography: Exploring Earth's Environmental Systems

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Corequisite: GEOG 301
Advisory: MATH 34 with a grade of "C" or better, ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
C-ID: C-ID GEOG 110

This course is a spatial study of planet Earth's dynamic physical systems and processes. Topics include weather, climate, landforms, natural hazards, water resources, vegetation, and soils. Emphasis is placed on interrelationships among Earth systems and processes and their resulting patterns and distributions. Relevant application of these concepts to today's world is also stressed to help students better understand Earth's physical environment as well as human-environmental interaction. Optional field trips may be included.

GEOG 301 Physical Geography Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: GEOG 300
Advisory: MATH 34 with a grade of "C" or better; ENGRD 310 and ENGWR 101, with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A
C-ID: C-ID GEOG 111

This course is a laboratory study of basic principles and concepts relating to our Earth's environmental systems. Labs feature observation, collection, analysis, and display of data related to the study of energy, weather and climate, vegetation, soils, landforms, and environmental hazards. In addition, this course utilizes geographic methods such as map and image interpretation and geographic technologies such as weather instruments, global positioning systems (GPS), and computer applications. Field trips may be required.

GEOG 302 Environmental Studies & Sustainability

Units: 3

Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better; ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area D5; IGETC Area 4E

This introductory course offers an interdisciplinary perspective on the major environmental problems confronting society and explores solutions directed toward producing a more sustainable future. Course topics include an introduction to environmental issues, Earth system science, natural resources, global climate change, human demography, agricultural systems, and development issues. These topics will be examined with human-environment interaction as the overriding paradigm to examine potential for sustainable systems as our planet and populations progress. A field trip may be required to relate class discussions to the real world.

GEOG 305 Global Climate Change

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better; ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A

This course explores the history and mechanisms of climate change on the Earth as well as the methods that scientists use to investigate climate change. Areas of emphasis will include climate change in the recent history of Earth (the past few million years) and the connection between human industrial activity and current climatic shifts. Additionally, this course investigates the effects of climate change in the world today and discusses possible technological and political solutions to this vast and increasingly important problem. Field trips may be required.

GEOG 306 Weather and Climate

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better, ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
C-ID: C-ID GEOG 130

This course is an introduction to atmospheric processes including energy and moisture exchanges, atmospheric pressure, winds and global circulation, and severe weather conditions. In addition, global, regional, and local climates are investigated. Student work will include weather observations and analysis of atmospheric data using charts, weather maps, and radar and satellite imagery from the Internet and other sources. Field trips may be required to reinforce course content.

GEOG 308 Introduction to Oceanography

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better; ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A

This course is an integrated study of the world's oceans from chemical, biological and human perspectives. Topics include ocean and shoreline processes, plate tectonics, sea floor morphology, types and distribution of seafloor sediment, ocean sediment transport, ocean chemistry, ocean currents, marine resources, and environmental concerns. Regional oceanographic features are emphasized and a field trip may be required to reinforce course content.

GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D5; IGETC Area 4E
C-ID: C-ID GEOG 120

This course investigates the diverse patterns of human activity on earth in relation to cultural and environmental factors. Major themes include human-environment interaction, globalization, spatial and cultural conflict, and cultural diversity. The following topical areas will be utilized to examine these dynamic concepts: population, migration, language, religion, ethnicity, political and economic systems, development issues, agriculture, urbanization, and resource issues.

GEOG 320 World Regional Geography

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D5; IGETC Area 4E
C-ID: C-ID GEOG 125

This course is a global survey of the world's major cultural regions. Basic geographic concepts and ideas are used to study and compare people, resources, landscapes, and economies across eight major geographic regions. In addition, interactions between these regions, globalization, cultural diversity, environmental issues, and development dynamics are utilized as themes to examine our ever-changing world.

GEOG 331 Exploring Maps and Geographic Technologies

Units: 3
Hours: 50 hours LEC; 12 hours LAB
Prerequisite: None.
Advisory: CISC 300 or equivalent with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV
C-ID: C-ID GEOG 150

This course introduces students to the exciting world of maps (both hard-copy and digital) and the geographic techniques and technologies that are utilized in the creation of modern cartographic documents. The examination of cartographic constructs, Global Positioning Systems (GPS), Internet mapping, remote sensing, and Geographic Information Systems (GIS) will shed light on this interesting and rapidly changing area of spatial inquiry.

GEOG 334 Introduction to GIS Software Applications

Units: 3
Hours: 50 hours LEC; 12 hours LAB
Prerequisite: None.
Advisory: CISC 300 or equivalent with a grade of "C" or better
Transferable: CSU

This course provides the conceptual and practical foundations for using Geographic Information Systems (GIS) software. It emphasizes basic GIS software functionality including map display, attribute and spatial query, address geocoding, spatial database management, spatial analysis, cartographic presentation, and spatial data management.

GEOG 353 Introduction to the Global Positioning System (GPS)

Units: 1
Hours: 16 hours LEC; 6 hours LAB
Prerequisite: None.
Advisory: CISC 300 or equivalent with a grade of "C" or better
Transferable: CSU

This course introduces the Global Positioning System (GPS). Topics include how this location systems works, hands-on operation of the technology, real-world applications, computer interfaces, GIS, and other mapping software. A field trip may be required which could include a nominal fee.

GEOG 391 Field Studies in Geography: Mountain Landscapes

Units: 1 - 4
Hours: 6 - 24 hours LEC; 36 - 144 hours LAB
Prerequisite: None.
Transferable: CSU
C-ID: C-ID GEOG 160

This course involves the study of geographic principles and processes in mountain environments. The course content will vary by destination but may include topics in physical geography (e.g., plant and animal communities, climate and weather, geology and geomorphology, natural hazards, environmental impacts, etc.), human geography (e.g., cultural landscapes, economic activities, transportation issues, land use patterns, etc.), and introduction to tools and techniques used for geographic field research (e.g., map and compass use, the Global Positioning System (GPS), Geographic Information Systems (GIS), etc.). Field excursions are required.

GEOG 392 Field Studies in Geography: Coastal Landscapes

Units: 1 - 4
Hours: 6 - 24 hours LEC; 36 - 144 hours LAB
Prerequisite: None.
Transferable: CSU
C-ID: C-ID GEOG 160

This course involves the study of geographic principles and processes in coastal environments. The course content will vary by destination but may include topics in physical geography (e.g., plant and animal communities, climate and weather, geology and geomorphology, natural hazards, environmental impacts, etc.), human geography (e.g., cultural landscapes, economic activities, transportation issues, land use patterns, etc.), and introduction to tools and techniques used for geographic field research (e.g., map and compass use, the Global Positioning System (GPS), Geographic Information Systems (GIS), etc.). Field excursions are required.

GEOG 393 Field Studies in Geography: Arid Landscapes

Units: 1 - 4
Hours: 6 - 24 hours LEC; 36 - 144 hours LAB
Prerequisite: None.
Transferable: CSU
C-ID: C-ID GEOG 160

This course involves the study of geographic principles and processes in arid environments. The course content will vary by destination but may include topics in physical geography (e.g., plant and animal communities, climate and weather, geology and geomorphology, natural hazards, environmental impacts, etc.), human geography (e.g., cultural landscapes, economic activities, transportation issues, land use patterns, etc.), and introduction to tools and techniques used for geographic field research (e.g., map and compass use, the Global Positioning System (GPS), Geographic Information Systems (GIS), etc.). Field excursions are required.

GEOG 394 Field Studies in Geography: Volcanic Landscapes

Units: 1 - 4
Hours: 6 - 24 hours LEC; 36 - 144 hours LAB
Prerequisite: None.
Transferable: CSU
C-ID: C-ID GEOG 160

This course involves the study of geographic principles and processes in volcanic environments. The course content will vary by destination but may include topics in physical geography (e.g., plant and animal communities, climate and weather, geology and geomorphology, natural hazards, environmental impacts, etc.), human geography (e.g., cultural landscapes, economic activities, transportation issues, land use patterns, etc.), and introduction to tools and techniques used for geographic field research (e.g., map and compass use, the Global Positioning System (GPS), Geographic Information Systems (GIS), etc.). Field excursions are required.

GEOG 495 Independent Studies in Geography

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: Student must obtain approval from an instructor to conduct an independent study.
Transferable: CSU; UC

This course is for students or small groups who wish to develop an in-depth understanding of a geographic topic that is beyond what is offered in our regular courses. Instructor approval is required to enroll in this course.

UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

GEOG 499 Experimental Offering in Geography

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Geology

Geology is an interdisciplinary science that seeks to study and understand the physical processes of Earth and other planets, including plate tectonics, rocks, minerals, earthquakes, volcanoes, the fossil record and Earth's history and past climate, and natural geological resources. The Associate in Science in Geology for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will transfer with junior standing to the California State University system.

Degrees Offered

A.S.-T. in Geology

Dean Rose Giordano Ph.D.
Department Chair Douglas Copely
Phone copelyd@scc.losrios.edu
Email JensenL2@scc.losrios.edu

Associate Degree for Transfer

A.S.-T. in Geology

Geology is an interdisciplinary science that seeks to study and understand the physical processes of Earth and other planets, including plate tectonics, rocks, minerals, earthquakes, volcanoes, the fossil record and Earth's history and past climate, and natural geological resources.

The Associate in Science in Geology for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will transfer with junior standing to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):
(1) Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
(2) Obtainment of a minimum grade point average of 2.0.
ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
GEOL 300	Physical Geology	3
GEOL 301	Physical Geology Laboratory	1
GEOL 310	Historical Geology	3
GEOL 311	Historical Geology Laboratory	1
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
MATH 400	Calculus I	5
MATH 401	Calculus II	5
Total Units:		**28**

The Associate in Science in Geology for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate ideas about the natural universe using testable methodology, differentiate between scientific and non-scientific information, and demonstrate understanding of the scientific method by designing a valid scientific inquiry.
- examine and enumerate orally and/or in writing the importance of continuous examination and modification of accepted ideas as a fundamental element in the progress of science.
- analyze a wide variety of natural phenomena using basic definitions and fundamental theories of natural science.
- apply knowledge of current geologic processes to the understanding of Earth's past geologic history.
- synthesize diverse geological terminology and concepts and be able to explain them to a diverse audience.
- evaluate and analyze contemporary geologic problems including the implications of human activities on geologic resources.
- integrate information about the rate and scale of simple geologic processes and be able to convert between them.

Career Information

The Geology transfer degree is designed to facilitate students' successful transfer to four-year colleges that ultimately prepare them for advanced study in a variety of graduate programs as well as a variety of career opportunities in the fields of environmental monitoring, protection and remediation, energy and mineral exploration, paleontology, vulcanology, seismology, climatology, teaching, and research.

Geology (GEOL) Courses

GEOL 300 Physical Geology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

Advisory: ENGRD 310 and ENGWR 300 with grades of "C" or better. Concurrent enrollment in GEOL 301 is recommended.
Transferable: UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
C-ID: C-ID GEOL 100

This course provides an understanding of the dynamic nature of the planet through the study of Earth processes, with a focus on real-world examples of the scientific method and the relevance of geology to our everyday lives. Topics include global plate tectonics and related processes such as earthquakes and volcanic activity. Other topics include mineral and rock formation, surface water and groundwater, glaciers, coastal environments, natural resources, and global climate change. Successful completion of physical geology prepares the student to recognize, understand, and appreciate the physical processes that continually change Earth over geologic time.

GEOL 301 Physical Geology Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: GEOL 300 (Physical Geology) or student may have already passed GEOL 300 with a grade C or better.
Advisory: MATH 100 with a grade of "C" or better and ENGRD 310 and ENGWR 300 with grades of "C" or better.
Transferable: UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5C
C-ID: C-ID GEOL 100L

This course is a laboratory study of the basic principles of geology discussed in Physical Geology (GEOL 300), and their applications to everyday life. It encompasses the study and identification of common rocks and minerals; plate tectonic rates and processes; the interpretation and recognition of geologic structures and landforms; interpretation of maps, aerial photographs, and remote sensing images; seismic information; river processes; and analysis of geologic hazards including climate change. One field trip is required.

GEOL 302 Physical Geology

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: MATH 100 with a grade of "C" or better and ENGRD 310 and ENGWR 300, or ESLR 340 and ESLW 340, with grades of "C" or better; or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
C-ID: C-ID GEOL 101

This in-depth course provides an understanding of the dynamic nature of Earth through the study of earth processes including plate tectonics, the major rock types and the minerals that comprise them, volcanoes, earthquakes and Earth’s interior, crustal deformation and mountain building, fossils and deep time, energy and mineral resources, surface water and groundwater, oceans and coasts, glaciers, deserts, and global change. The course uses real-world examples of the scientific method as a foundation for understanding the geological sciences and focuses on the relevance of geology to our everyday lives. At least one field trip (for example to Cache Creek Canyon or Point Reyes National Seashore) or an appropriate alternative activity will be required as an introduction to geological environments and field methods in geology.

GEOL 305 Earth Science

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 100 with a grade of "C" or better and ENGRD 310 and ENGWR 300, or ESLW 340 and ESLR 340, with grades "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
C-ID: C-ID GEOL 120

Earth science is an introductory science course that covers a broad range of topics including geology, oceanography, meteorology, and astronomy. Sub-topics are introduced and placed into the context of the scientific method. Using recent, historical, and prehistorical earth science events as examples, the course emphasizes the interrelatedness of the various disciplines and focuses on Earth as a dynamic, synthetic, and continually evolving - yet stable - planet.

GEOL 306 Earth Science Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: GEOL 305
Advisory: MATH 100 with a grade of "C" or better and ENGRD 310 and ENGWR 300 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A
C-ID: C-ID GEOL 120L

This course emphasizes scientific methods and systematic laboratory procedures in the earth sciences. It includes practical and written experience in rock and mineral identification, plate tectonics and earthquakes, river and glacial topography, geologic and topographic maps, oceanography and meteorology exercises, and concepts in astronomy. At least one field trip (for example to Cache Creek Canyon or Point Reyes National Seashore) or an appropriate alternative activity will be required as an introduction to geological environments and field methods in geology. The course is not available for credit to students who have completed GEOL 302.

GEOL 308 Introduction to Geology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of C or better and ENGRD 110 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A

This course provides an introduction to geological processes and the dynamic nature of Earth as a system. It includes discussion of fundamental geological concepts such as plate tectonics, the major rock types and the minerals that comprise them, volcanoes, earthquakes and Earth's interior, crustal deformation and mountain building, deep time, fossils and evolution, and the history of Earth. A focus on the relevance of

geology to our everyday lives makes this course ideal for introductory-level and non-science majors and those students desiring a stronger background in the basic sciences.

GEOL 310 Historical Geology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 300 with grades of "C" or better. Concurrent enrollment in GEOL 311 is recommended.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
C-ID: C-ID GEOL 110

This course covers the origin and geologic history of the Earth and the evolution of its living organisms. Plate tectonic theory is used to explain changes in composition and structure of rocks of the Earth's crust from the formation of the Earth to the present. Emphasis is placed on the formation of sedimentary rocks and the fossils contained within them for the purpose of understanding how they record changes in Earth's environmental processes and ecosystems. Evolution and extinction are studied to understand how they reflect environmental changes in the Earth's ocean, atmosphere, and surface. One field trip experience may be required.

GEOL 311 Historical Geology Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: GEOL 310
Advisory: MATH 100 or MATH 104 with a grade of "C" or better and ENGRD 310 and ENGWR 300 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A
C-ID: C-ID GEOL 110L

Laboratory activities will accompany and complement GEOL 310, Historical Geology. Use of sedimentary rocks, fossils, geologic maps, and cross sections will aid in interpreting ancient environments, tectonic settings, and geologic history. Other concepts addressed include age relations and correlation of rock and time units, and introduction to fossil identification and biostratigraphy. At least one field trip (for example to Cache Creek Canyon or Point Reyes National Seashore) or an appropriate alternative activity will be required as an introduction to sedimentary environments and field methods in geology.

GEOL 325 Environmental Hazards and Natural Disasters

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 100 or 104; AND ENGRD 110, ENGWR 101 OR ESL 325 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
C-ID: C-ID GEOL 130

This course covers the Earth systems and environmental effects and applications of Earth-related processes. It focuses on earthquakes, volcanic eruptions, landslides, flooding, and hurricanes, as well as covering related current events. Topics also include the availability and exploitation of natural resources, waste disposal, and global climate change. Humans as a force in environmental change are emphasized. This course addresses geology, engineering, environmental studies, natural resources, geography, and science education. One field trip may be required.

GEOL 345 Geology of California

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 300 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
C-ID: C-ID GEOL 200

This course provides a survey of the physical and historical aspects of California geology, emphasizing the linkage of geology and people through economic and social impacts. This course is recommended for non-majors and majors in geology and is of particular value to science, engineering, environmental studies, education, and economics majors. One field trip may be required (for example to Cache Creek Canyon or Point Reyes National Seashore).

GEOL 391 Field Studies in Geology

Units: 1 - 3
Hours: 6 - 18 hours LEC; 36 - 108 hours LAB
Prerequisite: GEOL 302, 305, 308, or 310 with a grade of "C" or better
Enrollment Limitation: For course topic "Geology and Natural History of the Eel River, Northern California," students must demonstrate swimming and basic canoeing abilities. Students must be able to swim 50 yards and demonstrate they can enter and exit a canoe from beach and dock; paddle forward, turn, stop and reverse; right a capsized canoe; and perform an assisted entry from the water. Swim testing and canoe testing will be administered by the CSU Sacramento Aquatic Center at Lake Natoma or the Humboldt State University Center Activities Program at Humboldt Bay.
Transferable: CSU; UC

This course requires field trips to selected locations of geologic interest. Course content varies according to field trip destination but may include topics in physical geology, environmental geology, economic geology, natural history, and/or introduction to tools and techniques used for geosciences field research [e.g. map and compass, the Global Positioning System (GPS), Geographic Information Systems (GIS), etc.]. Units are awarded based on both lecture and laboratory (one unit per 18 hours lecture and/or 54 hours laboratory or a combination of lecture and laboratory hours).

GEOL 495 Independent Studies in Geology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

An independent studies project involves an individual student or small group of students in study, research, or activities beyond the scope of regularly offered courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

GEOL 499 Experimental Offering in Geology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Gerontology

The Gerontology program at Sacramento City College will provide students with an overview of the biological, physiological, psychological, and sociological factors involved in aging. Students will be able to apply this knowledge within a variety of careers to better serve and care for our aging population. Students who are planning to continue their study in gerontology by transferring to a four-year college should consult the “Requirements for Transfer Institutions” section of this catalog. Consultation with a Sacramento City College counselor is also advised.

Degrees and Certificates Offered

A.S. in Gerontology

Gerontology Certificate

Dean Dennis Lee

Program Lead Jessica Coppola Ph.D

Phone (530) 747-5219

Email Coppolj@scc.losrios.edu

Associate Degree

A.S. in Gerontology

The Gerontology program at Sacramento City College will provide students with an overview of the biological, physiological, psychological, and sociological factors involved in aging. Students will be able to apply this knowledge within a variety of careers to better serve and care for our aging population.

Students who are planning to continue their study in gerontology by transferring to a four-year college should consult the "Requirements for Transfer Institutions" section of this catalog. Consultation with a Sacramento City College counselor is also advised.

Degree Requirements

Course Code	Course Title	Units
GERON 300	Sociology of Aging (3)	3
or SOC 335	Sociology of Aging (3)	
GERON 301	The Biology and Physiology of Aging	3
GERON 302	Psychology of Aging: Adult Development and Aging (3)	3
or PSYC 374	Psychology of Aging: Adult Development and Aging (3)	
or FCS 324	Human Development: A Life Span (3)	
or PSYC 370	Human Development: A Life Span (3)	
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
PSYC 390	Psychology of Death and Dying	3
A minimum of 3 units from the following:		3
GERON 498	Work Experience in Gerontology (0.5 - 4)	
Total Units:		**18**

The Gerontology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate skill, ease, confidence, rapport, and listening skills when communicating with the elderly at different cognitive levels.
- evaluate and discuss similarities and differences surrounding diverse aging populations as they relate to life expectancy, mortality, mobility, family, work, retirement, mental health, death, lifestyles, sexuality, and use of services.
- discuss the impact of language and other cultural factors that influence drug education, drug use, and treatment options with the elderly.
- evaluate common methods of care for the dying including hospitals, skilled nursing facilities, and hospice care.
- recognize and identify risk of caregiver stress in cases of Alzheimer's and other dementia.
- identify and evaluate elder abuse causes, prevention strategies, and resources.
- identify strategies for meeting the challenges of aging within a sociocultural framework.
- recognize and evaluate demographic, socioeconomic, legal, and physiologic aspects of aging.
- develop practical workplace skills and knowledge needed for employment.

Career Information

As our population ages, almost every industry is serving the growing population of older adults. Research has demonstrated that, regardless of career path, having training in gerontology is beneficial for those seeking employment. Some possible career opportunities may include but are not limited to: elder care, program aide or assistant, geriatric aide, home care specialist, home health aide, inter-generational care provider, and professional caregiver.

Certificate of Achievement

Gerontology Certificate

The Gerontology Program will prepare students to manage the health, psychological, and social needs of the elderly population. The need for specialization in gerontology is clearly shown in population trends and documented in literature citing the lack of adequately prepared geriatric caregivers.

Students who are planning to continue their studies in gerontology by transferring to a four-year college should

consult the "requirements for transfer institutions" section of this catalog. Consultation with a Sacramento City College counselor is also advised.

Certificate Requirements

Course Code	Course Title	Units
GERON 300	Sociology of Aging (3)	3
or SOC 335	Sociology of Aging (3)	
GERON 301	The Biology and Physiology of Aging	3
GERON 302	Psychology of Aging: Adult Development and Aging (3)	3
or PSYC 374	Psychology of Aging: Adult Development and Aging (3)	
or FCS 324	Human Development: A Life Span (3)	
or PSYC 370	Human Development: A Life Span (3)	
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
PSYC 390	Psychology of Death and Dying	3
A minimum of 3 units from the following:		3
GERON 498	Work Experience in Gerontology (0.5 - 4)	
Total Units:		**18**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate skill, ease, confidence, rapport, and listening skills when communicating with the elderly at different cognitive levels.
- evaluate and discuss similarities and differences surrounding diverse aging populations as they relate to life expectancy, mortality, mobility, family, work, retirement, mental health, death, lifestyles, sexuality, and use of services.
- discuss the impact of language and other cultural factors that influence drug education, drug use, and treatment options with the elderly.
- evaluate common methods of care for the dying including hospitals, skilled nursing facilities, and hospice care.
- recognize and identify risk of caregiver stress in cases of Alzheimer's and other dementia.
- identify and evaluate elder abuse causes, prevention strategies, and resources.
- identify strategies for meeting the challenges of aging within a sociocultural framework.
- recognize and evaluate demographic, socioeconomic, legal, and physiologic aspects of aging.
- develop practical workplace skills and knowledge needed for employment.

Career Information

Possible career opportunities for a student with an Associate's Degree in Gerontology may include: Care/Case Aide, Registry Coordinator, Volunteer Services, Elder Care Provider, Program Aide or Assistant, Geriatric Aide, Home Care Specialist, Home Health Aide, Intergenerational Care Provider, and Professional Caregiver.

Gerontology (GERON) Courses

GERON 300 Sociology of Aging

Same As: SOC 335
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 or ESLR 340 and ESLW 340 and ESL 114; and FCS 324; and LIBR 318 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D0; CSU Area E1; IGETC Area 4J

In this course students will examine the aging process with emphasis on social factors affecting and effected by an aging population. The course includes an analysis of demographics, history of aging in America, social conditions, resources and support systems, employment, retirement, social class, and cultural differences. Students will be encouraged to reflect on their status in the sociology of aging process. (Credit awarded for GERON 300 or SOC 335.)

GERON 301 The Biology and Physiology of Aging

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(b); AA/AS Area IV

This course provides a broad examination of the biological principles that cause aging and age-related disease. Concepts covered in this course include: how the rate of biological aging is measured, what mechanisms underlie cellular aging, genetic pathways that affect longevity in various organisms, and consideration of the implications of modulating the rate of aging and longevity. This course is intended for undergraduate students in a variety of majors.

GERON 302 Psychology of Aging: Adult Development and Aging

Same As: PSYC 374
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101, OR ESLR 340 and ESLW 340, and ESL 114, and FCS 324/PSYC 370, and LIBR 318 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4I

This course examines the physical, psychological, social, and emotional aspects of the aging process including the interactions between the elderly and the rest of society. Topics include an analysis of stereotypes, social connections, environmental influences, sexuality, physical health, mental health, death, and bereavement. Credit may be earned for either PSYC 374 or GERON 302, but not both.

GERON 494 Topics in Gerontology

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with a grade "C" or better.
Transferable: CSU

This course is designed to examine current issues or specific topics relevant to the field of gerontology. The particular topics to be covered each semester will be determined by gerontology staff. This course may be taken one time. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

GERON 495 Independent Studies in Gerontology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent study offers students an opportunity to explore topics in gerontology that are beyond the scope of the courses we currently offer. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

GERON 498 Work Experience in Gerontology

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.
Transferable: CSU
General Education: AA/AS Area III(b)

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

GERON 499 Experimental Offering in Gerontology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Global Studies

Global Studies students will look at globalization through the lenses of history, economics, political science, geography, environment, and culture. They will understand the history and key features of the pro and antiglobalization debates, and will follow how popular struggles for social justice have shaped, and resisted, the global order

Degrees Offered

A.A.-T. in Global Studies

Dean Dennis Lee
Coordinator Riad Bahhur
Phone (916) 650-2738
Email SCCGlobalStudies@losrios.edu

Associate Degree for Transfer

A.A.-T. in Global Studies

This degree provides a multidisciplinary understanding of global issues and the impact of globalization on people, states, and economies around the world. It covers trade, culture, politics, economic development, military interventions, conflict, relations between states, and environmental impacts.

The Associate in Arts in Global Studies for Transfer (AA-T) degree provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):
(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(a) The intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
(b) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Completing the Associate in Arts in Global Studies will prepare students to apply a global understanding to careers in trade, law, diplomacy, food production, education, human rights, development, relief, and marketing. Students completing this degree will be able to continue their studies in any of the above listed areas and to apply a global perspective to any field of study or work.

Degree Requirements

Course Code	Course Title	Units
GLST 301	Introduction to Global Studies	3
GLST 302	Global Issues	3
A minimum of 15 units from the following:		15[1]
Select five courses from a minimum of four of the following areas:		
CULTURE AND SOCIETY		
ANTH 481	Honors Cultural Anthropology (3)	
or ANTH 310	Cultural Anthropology (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 365	Asian Civilization (3)	
GEOGRAPHY		
GEOG 300	Physical Geography: Exploring Earth's Environmental Systems (3)	
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes (3)	
GEOG 320	World Regional Geography (3)	
ECONOMICS		
ECON 302	Principles of Macroeconomics (3)	
ECON 304	Principles of Microeconomics (3)	
POLITICS		
POLS 302	Comparative Politics (3)	
POLS 480	Introduction to International Relations - Honors (3)	
or POLS 310	Introduction to International Relations (3)	
HUMANITIES		
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
PHIL 352	Introduction to World Religions (3)	
WGS 302	Global Women's Issues (3)	
Total Units:		**21**

[1]Students are encouraged to include a foreign language as part of their Global Studies program. While it is not required to complete this degree, many transfer institutions include a foreign language proficiency as part of their global studies degrees.

The Associate in Arts in Global Studies for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- formulate a broad and cohesive understanding of global dynamics, issues, and events and incorporate that knowledge into their daily life and career.
- evaluate their role as a member of a global network of interdependent people and societies.
- analyze various multidisciplinary approaches that explain the causes and consequences of globalization.
- analyze local and regional societal, economic, political, and environmental issues within a global context.

Global Studies (GLST) Courses

GLST 299 Experimental Offering in Global Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

GLST 301 Introduction to Global Studies

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course is an introduction to the interdisciplinary field of Global Studies. Students will look at globalization through the lenses of history, economics, political science, geography, environment, and culture. They will understand the history and key features of the pro and anti-globalization debates, and will follow how popular struggles for social justice have shaped, and resisted, the global order.

GLST 302 Global Issues

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course introduces students to the origins, current status, and future trends of major transnational issues confronting the global community. Topics include population trends, economic development and inequality, basic human needs (for food, water, health care), human rights, international conflict and security concerns, military actions, competition over resources, movements for independence and social justice, and environmental problems. The course also focuses on global governance, including the study of collective global responsibilities towards a just global order, with emphasis on the social justice struggles of economic, ethnic, racial, and national groups challenged by regional or global powers.

GLST 499 Experimental Offering in Global Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Health Education

Health Education courses feature the exploration of major health issues and behaviors in the various dimensions of health.

Dean Mitchell Campbell

Department Chair Connie Zuercher

Phone (916) 558-2425

Email HerrerM@scc.losrios.edu

Health Education (HEED) Courses

HEED 300 Health Science

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area E1

This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. This course will include, but not be limited to, the study of physical and psychological health, creating healthy and caring relationships, avoiding and overcoming harmful habits, building healthy lifestyles, preventing and fighting disease, and facing life's challenges. Specific topics may include the study of physical, mental, spiritual, social, and emotional health; managing stress; prevention of violence; sexuality; birth control; pregnancy; childbirth; prevention of sexually transmitted diseases, including AIDS; drug, alcohol, and tobacco use and abuse; nutrition and fitness; prevention of communicable diseases.

HEED 301 Health and Societal Issues

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU
General Education: AA/AS Area III(b); CSU Area E1

The focus of this course is to inform students on how to maximize wellness in their personal lifestyles and their environments. This course will help students identify the various factors influencing their current and future levels of wellness. Information presented will include, but not be exclusive to: mental health, stress management, nutrition, weight control, fitness, sexuality, addictive substances, injury and violence, complementary and alternative medicine, environmental issues, and disease.

HEED 340 College Success For The Student Athlete

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(b)

This course is designed to assist student athletes in obtaining the skills and knowledge necessary to reach their educational objective. Topics to be covered include: eligibility and recruitment information as mandated by the California Community College Athletic Association (CCCAA) and transfer requirements mandated by the National Collegiate Athletic Association. Other topics include: motivation, discipline, memory development, time management, career planning, study skills and techniques, nutrition, drug and alcohol abuse, and violence. Campus resources will be covered. It is highly recommended for student athletes.

HEED 353 Healthy Eating, Stress Management, and Weight Control

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU
General Education: AA/AS Area III(b); CSU Area E1

This course focuses on healthy eating through understanding the various macronutrients and how to obtain the necessary variety needed for weight management goals while striving to eat whole foods. Weight loss programs and their effectiveness in obtaining a healthy balance will be reviewed. The role of stress management in one’s personal health choices or those issues that are outside of a person’s control will be addressed. A variety of stress management strategies will be discussed. The importance and application of functional fitness designed to train muscles to work together and prepare for daily tasks will be discussed and applied during the course of the semester.

HEED 495 Independent Studies in Health Education

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among college, faculty members, and students. Independent studies in Health Education offers students a chance to do research that is more typical of community and graduate student work.

HEED 499 Experimental Offering in Health Education

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

History

The history major fosters an understanding of ourselves and our world through the study of the remote and recent past. The program develops critical thinking through exposure to a variety of historical themes, analysis and evaluation of evidence, and different points of view. The major prepares students for transfer to B.A. programs in history. It also equips students for careers in business, government, teaching, law, or journalism.

Degrees Offered

A.A.-T. in History

A.A. in History

Dean Dennis Lee

Department Chair Dominic Cerri

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.A.-T. in History

The history major fosters an understanding of ourselves and our world through the study of the remote and recent past. The program develops critical thinking through exposure to a variety of historical themes, analysis and evaluation of evidence, and different points of view. Completion of the major prepares students for transfer to B.A. programs in history and for graduate studies in history leading to the M.A. and Ph.D. degrees. It also equips students for careers in business, government, teaching, law, or journalism. The Associate in Arts in History for Transfer (AA-T) prepares students for seamless transfer into the CSU system to complete a baccalaureate in History or related field.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A ”P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
HIST 300	History of Western Civilization (3)	3
or HIST 307	History of World Civilizations to 1500 (3)	
HIST 302	History of Western Civilization (3)	3
or HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 310	History of the United States (To 1877) (3)	3
or HIST 320	History of the United States: African-American Emphasis (3)	
or HIST 483	History of the United States - Honors (3)	
or HIST 486	History of the United States: African American Emphasis - Honors (3)	
HIST 311	History of the United States (1865 - Present) (3)	3
or HIST 321	History of the United States: African-American Emphasis (3)	
or HIST 484	History of the United States - Honors (3)	
or HIST 487	History of the United States: African American Emphasis - Honors (3)	
A minimum of 3 units from the following:		3
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HIST 314	Recent United States History (3)	
HIST 320	History of the United States: African-American Emphasis (3)	
HIST 321	History of the United States: African-American Emphasis (3)	
HIST 327	History of the Chicano/Mexican American (3)	
HIST 344	Survey of California History: A Multicultural Perspective (3)	
HIST 360	History of African Civilizations (3)	
HIST 364	Asian Civilization (3)	
HIST 365	Asian Civilization (3)	
HIST 373	History of Mexico (3)	
HIST 375	The History of Modern Latin America and Caribbean (3)	
HIST 380	History of the Middle East (3)	
HIST 381	Modern Palestinian History and Culture (3)	
One course from the following group if not used above:		
A minimum of 3 units from the following:		3
ANTH 481	Honors Cultural Anthropology (3)	
or ANTH 310	Cultural Anthropology (3)	
ANTH 324	World Prehistory (3)	
ECON 302	Principles of Macroeconomics (3)	
ETHNS 300	Introduction to Ethnic Studies (3)	
GEOG 320	World Regional Geography (3)	
HIST 307	History of World Civilizations to 1500 (3)	

Course Code	Course Title	Units
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HIST 314	Recent United States History (3)	
HIST 320	History of the United States: African-American Emphasis (3)	
HIST 321	History of the United States: African-American Emphasis (3)	
HIST 327	History of the Chicano/Mexican American (3)	
HIST 344	Survey of California History: A Multicultural Perspective (3)	
HIST 360	History of African Civilizations (3)	
HIST 364	Asian Civilization (3)	
HIST 365	Asian Civilization (3)	
HIST 373	History of Mexico (3)	
HIST 375	The History of Modern Latin America and Caribbean (3)	
HIST 380	History of the Middle East (3)	
HIST 381	Modern Palestinian History and Culture (3)	
POLS 480	Introduction to International Relations - Honors (3)	
or POLS 310	Introduction to International Relations (3)	
PSYC 320	Social Psychology (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
WGS 300	Introduction to Women and Gender Studies (3)	
Total Units:		**18**

The Associate in Arts in History for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and analyze diverse experiences and perspectives in history through an examination of conflicting narratives and power imbalances.
- demonstrate an understanding of distinct local, regional, and global experiences and their interconnectedness to foster active civic engagement.
- generate significant open-ended questions about the past, and critically analyze primary and secondary sources to construct oral and written historical arguments.
- demonstrate breadth of knowledge of important social, economic, cultural, political, and intellectual currents while recognizing the continuum between the past and present.

Associate Degrees

A.A. in History

The history major fosters an understanding of ourselves and our world through the study of the remote and recent past. The program develops critical thinking through exposure to a variety of historical themes, analysis and evaluation of evidence, and different points of view. The major prepares students for transfer to B.A. programs in history. It also equips students for careers in business, government, teaching, law, or journalism.

Transfer Program: Transfer students should consult the Transfer Information section in this catalog and the History or related major sections of the catalog for the specific institution to which they wish to transfer to determine admissions, general education, and major requirements. Consultation with an SCC counselor is advised.

Degree Requirements

Course Code	Course Title	Units
Introduction to Early United States History:		
HIST 310	History of the United States (To 1877) (3)	3
or HIST 320	History of the United States: African-American Emphasis (3)	
or HIST 483	History of the United States - Honors (3)	
Introduction to Recent United States History:		
HIST 311	History of the United States (1865 - Present) (3)	3
or HIST 321	History of the United States: African-American Emphasis (3)	
or HIST 484	History of the United States - Honors (3)	
Introduction to Western Civilization or World Civilizations:		
[HIST 300	History of Western Civilization (3)	6
and HIST 302]	History of Western Civilization (3)	
or [HIST 307	History of World Civilizations to 1500 (3)	
and HIST 308]	History of World Civilizations, 1500 to Present (3)	
Breadth Area. Some courses can be used to satisfy Breadth Area if they were not taken to satisfy Introduction to World and Western Civilizations requirement:		
A minimum of 6 units from the following:		6
HIST 300	History of Western Civilization (3)	
HIST 302	History of Western Civilization (3)	
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HIST 327	History of the Chicano/Mexican American (3)	
HIST 344	Survey of California History: A Multicultural Perspective (3)	

Course Code	Course Title	Units
HIST 360	History of African Civilizations (3)	
HIST 364	Asian Civilization (3)	
HIST 365	Asian Civilization (3)	
HIST 373	History of Mexico (3)	
HIST 375	The History of Modern Latin America and Caribbean (3)	
HIST 380	History of the Middle East (3)	
HIST 381	Modern Palestinian History and Culture (3)	
Total Units:		**18**

The History Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and analyze diverse experiences and perspectives in history through an examination of conflicting narratives and power imbalances.
- demonstrate an understanding of distinct local, regional, and global experiences and their interconnectedness to foster active civic engagement.
- generate significant open-ended questions about the past, and critically analyze primary and secondary sources to construct oral and written historical arguments.
- demonstrate breadth of knowledge of important social, economic, cultural, political, and intellectual currents while recognizing the continuum between the past and present.

History (HIST) Courses

HIST 300 History of Western Civilization

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area I; CSU Area C2; CSU Area D6; IGETC Area 3B
C-ID: C-ID HIST 170

This is a study of Western Civilization from pre-historic times to the Reformation. The focus of the course will be on the history of Europe, including a general account of those political, economic, and social institutions as well as the cultural and intellectual forces that have contributed to the making of European societies. The course will examine prehistorical culture, the Ancient Near East, Greece, Rome, the Middle Ages, the Renaissance, and the Reformation. Students should expect to write a minimum of 3,000 words.

HIST 302 History of Western Civilization

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area I; CSU Area C2; CSU Area D6; IGETC Area 3B
C-ID: C-ID HIST 180

This is a study of Western Civilization from the Renaissance to the present. The course will focus on the political, economic, social, cultural, and intellectual forces that have contributed to the making of modern European societies. Students should expect to write a minimum of 3,000 words.

HIST 307 History of World Civilizations to 1500

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F
C-ID: C-ID HIST 150

This course surveys world history to 1500 with an emphasis on the dynamic interaction of cultures and peoples. The course will emphasize the role of social, political, economic, cultural, and intellectual forces as they shape the major world civilizations. It will also focus on the legacy of these civilizations and their contributions to our present cultures.

HIST 308 History of World Civilizations, 1500 to Present

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F
C-ID: C-ID HIST 160

This course is a survey of world history from 1500 to the present with an emphasis on the dynamic interaction of cultures and peoples. The focus is on the role played by social, political, economic, cultural, and intellectual forces in shaping the major world civilizations, the legacies of these civilizations, and the on-going tension between tradition and modernity.

HIST 309 World History in the Twentieth Century

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC

General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D6; IGETC Area 4F

This course examines the major historical developments of the 20th Century world: nationalist and revolutionary movements; the development of modern capitalist, communist, and fascist systems; the dynamics of modern colonialism; postcolonial issues; ethnic conflict; environmental challenges; the emergence of new global systems, and the significance of new communication technologies for political movements and nation-states.

HIST 310 History of the United States (To 1877)

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; CSU Area U1; CSU Area U2; IGETC Area 3B; IGETC Area 4F
C-ID: C-ID HIST 130

This course surveys the history of the United States by examining its Native American, European, and African backgrounds beginning with pre-historic migrations of America's first inhabitants through the end of Reconstruction in 1877. This course emphasizes the roles played by cultural, economic, intellectual, political, and social institutions in American history, with an eye toward understanding the history of multiple ethnic groups in a comparative framework. Credit may be earned for History 310 or History 483, but not for both.

HIST 311 History of the United States (1865 - Present)

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; CSU Area U1; CSU Area U3; IGETC Area 3B; IGETC Area 4F
C-ID: C-ID HIST 140

This course covers the development of American Institutions and society from Reconstruction to the present and partially fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, social, cultural, and intellectual forces on the culture and development of multiple ethnic groups in a comparative format. HIST 484 is the "honors" equivalent of HIST 311. Students eligible for the Honors Program may elect to take HIST 484 instead of History 311. Because of the close similarity of the courses credit may be earned for HIST 311 or for HIST 484 but not for both.

HIST 314 Recent United States History

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F

This course covers United States history from 1945 to the present, offering an in-depth study of post-World War II United States history. The course emphasizes the role played by political, economic, social, cultural, and intellectual forces in shaping the American past and leading to present society. A major focus is the culture and development of multiple ethnic groups in a comparative format. Credit may be earned for HIST 314 or HIST 485, but not both.

HIST 320 History of the United States: African-American Emphasis

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D; CSU Area U1; CSU Area U2; IGETC Area 3B; IGETC Area 4
C-ID: C-ID HIST 130

This course covers the development of American Institutions and society through Reconstruction and fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, cultural, and intellectual forces in American society and the development of multiple ethnic groups in a comparative format. Beginning on the African Continent, this course will also examine the origins of the Atlantic Slave Trade and its implications for North American labor systems, including slavery. The course pays particular attention to the ways in which black people have influenced the formation and development of this nation; and examines the ways in which racial issues have shaped American society, culture, and politics. Credit may be earned for HIST 320 or HIST 486, but not both.

HIST 321 History of the United States: African-American Emphasis

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D; CSU Area U1; CSU Area U2; CSU Area U3; IGETC Area 3B; IGETC Area 4
C-ID: C-ID HIST 140

This course covers the development of American Institutions and society from Reconstruction to the present and partially fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, cultural, and intellectual forces in American society and the development of multiple ethnic groups in a comparative format. Beginning with a review of the Civil War, HIST 321 closely examines the

Reconstruction Era, the societal "place" of African Americans, the development of "Jim Crow" segregation, and the subsequent legal demise of segregation in American life. This course pays close attention to the ways in which African American people have subsequently shaped and contributed to American society, culture, and politics. Credit may be earned for HIST 321 or HIST 487, but not both.

HIST 327 History of the Chicano/Mexican American

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D; CSU Area U1; IGETC Area 3B; IGETC Area 4

This course examines the history of Chicanos/Mexican Americans in North America. It explores pre-Columbian civilizations and the experiences of Chicanos/Mexican Americans within the United States from the colonial period to the present. This course investigates the social, political, economic, legal, and cultural experiences of Chicanos/Mexican Americans and their contributions to American institutions.

HIST 344 Survey of California History: A Multicultural Perspective

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D6; IGETC Area 4F

This course is a survey of the history of California with an emphasis on the evolution of the state as a multicultural society, beginning with Native Californian cultures prior to contact with Europeans and continuing to the present. Above all, the course examines, compares, and evaluates the historical experiences of Native Californian, Spanish, Mexican, Asian, African American, European American, and other cultural groups and the role the dynamic interaction of those groups has played in creating contemporary realities in California. Field trips to local sites of historical significance may be included.

HIST 360 History of African Civilizations

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F

This course is an introductory survey of African history from prehistory to the present. Major topics will include the rise of societies and states in Africa to 1500 CE, the introduction of Christianity and Islam, the Atlantic slave trade, European colonialism, and the emergence of nation states in modern Africa. The course examines the development of social, political, and economic institutions in Africa, the interactions of peoples and cultures, and Africa's place in global history.

HIST 364 Asian Civilization

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B

This course surveys Asian civilizations to 1600 with an emphasis on East Asia and South Asia. The course focuses on the major social, cultural, economic, and political transformations of Asia, particularly highlighting the influence of these peoples and states on each other and the world. The course will provide students with a historical understanding of topics such as: the rise of complex societies, states, and empires across Asia; the relationship between settlement-based civilizations and the herding civilizations of Central Asia; the emergence of various philosophies, religions, and identities across Asia; Asian technology and innovations; the impact of the Mongol Empire; and the changing relationship of Asia to the wider world.

HIST 365 Asian Civilization

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B

This course surveys Asian civilizations from 1600 with an emphasis on East Asia and South Asia. The course focuses on the major social, cultural, economic, and political transformations of Asia since 1600, particularly highlighting the influence of these peoples and states on each other and the world. The course will provide students with a historical understanding of topics such as: internal and external pressures on Asian states and peoples, such as European and U.S. imperialism; the rise and transformation of Asian nationalisms and nationalist movements; the impact of modern wars and revolutions on Asia; and the relationship between Asia and the wider world from 1600 to the present.

HIST 373 History of Mexico

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area I; AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B

This general survey of Mexican history introduces the cultural, economic, political, and social factors that have shaped Mexico from the pre-Columbian era to the present. Topics of study include pre-Columbian civilizations such as the Olmecs, Maya, and Aztecs and their cultural contributions through architecture

and fine arts, the Spanish conquest, colonial New Spain, race, class, and gender in Mexican society, wars of independence and nation building, foreign invasions by the United States and France, the age of Porfirio Diaz, the Revolution of 1910, the modernization of Mexico, and U.S.-Mexico relations.

HIST 375 The History of Modern Latin America and Caribbean

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F

This course offers a general survey of Latin America and Caribbean history from the 19th century to the present, with focus on social, political, economic, and cultural developments. Course themes include the complex and gradual process of nation building, the region's incorporation into the global economy, the impact this has had on development and consequential nationalistic re-assertions, the way in which notions of race, class, and gender have informed these processes; the politics of populism, revolution, dictatorship and democracy; and the complex relationship Latin America and the Caribbean share with the United States.

HIST 380 History of the Middle East

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area I; AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F

This course surveys the history of the Middle East (Southwest Asia) and North Africa with emphasis on the period from the 6th century CE (AD) to the present. The course focuses on the major social, economic, political, and cultural transformations of the region, while taking into account both regional and global contexts of interaction and change in a comparative format. This course will provide students with a historical understanding of the impact of European colonialism, the discovery of petroleum and its consequences, the Palestinian-Israeli conflict, and the role played by the United States in the region.

HIST 381 Modern Palestinian History and Culture

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This course is an introduction to modern Palestinian history and culture. After establishing the ancient historical context of Palestine at the crossroads of Asia, Africa, and the Mediterranean and as an early center of agriculture and civilization, this course focuses mainly on 16th century Ottoman rule to the present. The course covers the impacts of Ottoman rule, the pressures of British and French imperialism, the British Mandate over Palestine, the establishment of the state of Israel, and current Palestinian realities. Palestine's social and cultural diversity, as well as its place in the imagination of people and movements outside the region, is an important part of its history.

HIST 483 History of the United States - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; CSU Area U1; CSU Area U2; IGETC Area 3B; IGETC Area 4F
C-ID: C-ID HIST 130

This course surveys the history of the United States by examining its Native American, European, and African backgrounds, beginning with Indigenous peoples before 1492 and ending with the collapse of Reconstruction in 1877. This course emphasizes the roles played by cultural, economic, intellectual, political, and social institutions in American history, with an eye toward understanding the history of multiple ethnic groups in a comparative framework. The class is conducted in a seminar format and uses an intensive instructional methodology that is designed to challenge motivated students. Because of the similarity of the courses, credit may be earned for only one of the following courses: History 310, 320, 483, or 486.

HIST 484 History of the United States - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; CSU Area U1; CSU Area U3; IGETC Area 3B; IGETC Area 4F
C-ID: C-ID HIST 140

This course is an introduction to the study of American history from 1865 to the present day. It is a seminar-style honors course that uses an intensive instructional methodology that is designed to challenge motivated students and cultivate advanced critical thinking skills. Particular emphasis will be placed on the role played by the complex interrelationships of political, economic, social, and cultural forces in United States history after the Civil War and the role played by multiple ethnic groups as well. This course is not open to students who have completed HIST 311.

HIST 485 Recent United States History - Honors

Units: 3

Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F

This course is an introduction to the study of American history from 1945 to the present day. It is a seminar-style honors course that uses an intensive instructional methodology designed to challenge motivated students and cultivate advanced critical thinking skills. Particular emphasis will be placed on the role played by complex interrelationships of political, economic, social, and cultural forces in United States history after World War II, and the role played by multiple ethnic groups as well. This course is not open to students who have completed HIST 314.

HIST 486 History of the United States: African American Emphasis - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC (effective Fall 2022)
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D; CSU Area U1; CSU Area U2
C-ID: C-ID HIST 130

This course covers the development of American Institutions and society through Reconstruction and partially fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, cultural, and intellectual forces in American society and the development of multiple ethnic groups in a comparative format. Beginning on the African Continent, this course will also examine the origins of the Atlantic Slave Trade and its implications for North American labor systems, including slavery. The course pays particular attention to the ways in which black people have influenced the formation and development of this nation; and examine the ways in which racial issues have shaped American society, culture, and politics. This class is conducted in a seminar format and uses intensive instructional methodology that is designed to challenge motivated students.

Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions. Credit may be earned for HIST 320 or HIST 486, but not both.

HIST 487 History of the United States: African American Emphasis - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU; UC (effective Fall 2022)
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D; CSU Area U1; CSU Area U2
C-ID: C-ID HIST 140

This course covers the development of American Institutions and society from Reconstruction to the present and partially fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, cultural, and intellectual forces in American society and the development of multiple ethnic groups in a comparative format. Beginning with a review of the Civil War, HIST 487 closely examines the Reconstruction Era, the societal "place" of African Americans, the development of "Jim Crow" segregation, and the subsequent legal demise of segregation in American life. This course pays close attention to the ways in which African American people have subsequently shaped and contributed to American society, culture, and politics. This class is conducted in a seminar format and uses intensive instructional methodology that is designed to challenge motivated students. Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions. Credit may be earned for HIST 487 or HIST 321, but not both.

HIST 494 Topics in History

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU

The content of this course will differ each time the course is offered. The objective is to examine various issues of historical significance. U.C. transfer credit will be awarded only after the course has been evaluated by the enrolling U.C. campus. The units completed for this course cannot be counted toward the minimum 60 units required for admission.

HIST 495 Independent Studies in History

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.
Transferable: CSU

An independent studies project involves an individual student or a small group of students who wish to study, research, and/or pursue historical topics beyond those covered in regularly offered courses. This course will allow students to study specific topics and gain new perspectives in the discipline. U.C. transfer credit will be awarded only after the course has been evaluated by the enrolling U.C. campus. The units completed for this course cannot be counted toward the minimum 60 units required for admission.

HIST 499 Experimental Offering in History

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Human Services

Independent studies in human services offers students a chance to do research and/or experimentation that is more typical of industry and graduate student work.

Dean Kevin Flash

Human Services (HSER) Courses

HSER 495 Independent Studies in Human Services

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members and students. Independent studies in human services offers students a chance to do research and/or experimentation that is more typical of industry and graduate student work.

HSER 499 Experimental Offering in Human Services

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This course provides training and supervised fieldwork for volunteer tutors who will be working with community K-12 school children in all academic subjects. Through lecture, small group discussions, and electronic resource exploration, students will learn effective tutoring strategies. The class will meet for two 4.5 hour sessions to meet the 9 hour lecture requirement. After the lecture requirement has been met, the student will participate in 27 hours of tutoring practicum at local K-12 schools. A certificated/credentialed teacher will serve as site school supervisor. SCC instructor will make one onsite visit to each school during tutoring sessions. A letter grade will be based on completion of lecture coursework and 27 hours tutoring practicum.

HSER 1000 Supervised Tutoring

Units: 0
Hours: 0.01 hours LEC
Prerequisite: None.
Enrollment Limitation: Student must be enrolled in a college credit course and be referred to tutoring by an instructor or counselor.

This course offers individualized tutoring designed to assist students to increase their success in college courses. Content will vary depending upon the adjunct course. Students may enroll in more than one section for support with more than one college course per semester. This course may be repeated in subsequent semesters.

Human/Career Development

Your success is our utmost concern and focus.

Whether you are a new graduate from high school entering college for the first time or you are a student returning to the academic environment, we have something for you. If you are the first in your family to attend college or you are new to the United States, we have something for you. If you are looking to change your career path or increase your skills for the job market, we also have something for you.

The majority of the Human Career Development courses at Sacramento City College are taught by Counseling Faculty.

Dean Rukiya Bates

Department Chair Annette Barfield

Phone (916) 558-2204

Email counseling@scc.losrios.edu

Human/Career Development (HCD) Courses

HCD 83 Diagnostic Learning in English

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.

This is an intensive individualized and small group course offering learning strategies and instructional intervention for students who have difficulty learning English concepts despite traditional methods of instruction. This course is designed and monitored by the Learning dis(Abilities) Program instructor to develop the processing needed to improve reading, writing, and spelling.

HCD 84 Advanced Diagnostic Learning in English

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: HCD 83 with a grade of "C" or better

This course is designed for students who have trouble learning English concepts with traditional modes of instruction. It builds on the content of HCD 83 by further developing students' perceptual skills to improve reading, writing, and spelling

HCD 85 Diagnostic Learning in Mathematics

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Student may take this class as long as they are also enrolled in a math class. This class supports math instruction.

This course is designed for students with disabilities who have difficulty learning mathematics through traditional modes of instruction. The emphasis is on assisting students with learning disabilities to prepare for college-level mathematics. It offers individualized, self-paced instruction based upon students' current skills and educational goals.

HCD 86 Basic Math Strategies

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Corequisite: MATH 28 or 34

This course will cover study strategies for students with learning disabilities, who have difficulty in MATH 28 or MATH 34.

HCD 88 Study Strategies

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: None.

This course will provide non-traditional instructional support for students with disabilities who are enrolled in other college courses. HCD 88 will be graded on a Pass/No Pass basis.

HCD 110 Building Foundations for Success

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
General Education: AA/AS Area III(b)

This course provides success strategies and support services to entry level students. The strategies and support services are threaded through three critical areas that enhance student success: academic skills, personal life management, and educational navigation. Optional field trip(s) may be included.

HCD 113 Adaptive Learning Strategies

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course is designed for students with disabilities to help identify and address any educational limitations and/or acquire the skills necessary to complete their education objectives. Topics covered include fundamentals of college, college exploration, along with community and college resources on- and off-campus. The class will also address motivation for college, self-discipline, and how to address stress factors that come with college.

HCD 114 Human Potential Seminar

Units: 2
Hours: 36 hours LEC
Prerequisite: None.

This course provides an in-depth examination of techniques to be used in enhancing one's chances for success in college. It is designed to meet the needs of students who are experiencing difficulty in achieving their goals in higher education. Course topics include: motivation, goal setting, communication skills, time management, exam preparation, note taking, and reading college textbooks. This course is designed to assist students to

become better prepared for the expectations of college and for those who seek to improve their academic standing.

HCD 116 Orientation to College

Units: 0.5 - 1
Hours: 9 - 18 hours LEC
Prerequisite: None.

This course is designed to introduce the student to college resources, programs, and services. Topics covered include short-term goal setting, motivation, time management, skill and interest assessment, educational alternatives, college requirements, and procedures. A field trip may be required.

HCD 118 College Readiness - Success Academy

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Instructor consent required for enrollment.

This course provides students with an introduction to student learning expectations and the outcomes of higher education. The course will introduce students to strategies for graduating from community college and university systems by exploring four central themes: (1) Academic Success, (2) Community, (3) Transition, and (4) Safety and Wellness. Success strategies and support services are integrated through the course in the following areas: team building activities, student and faculty mentoring, academic skills, personal life management, and educational navigation. University and/or related field trips may be required.

HCD 138 MESA/CCCP Orientation

Units: 1
Hours: 18 hours LEC
Prerequisite: None.

This course is designed to assist MESA students in obtaining the knowledge and skills necessary to reach their educational objectives in engineering, mathematics, and science-related fields. Topics to be covered include: decision making on careers, education and personal enrichment, study skills and habits, time management, academic preparation, career ladders, building of self-confidence, and educational and career success strategies. A field trip may be offered.

HCD 299 Experimental Offering in Human Career Development

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

HCD 302 The Puente Project

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Enrollment Limitation: Students must meet eligibility requirements for the Puente Program and be admitted to the Puente Program via Instructor consent.
Transferable: CSU; UC

This course is designed to assist under-represented, motivated students by promoting transfer, student success, and community leadership.Topics in this course include time management, graduation and transfer requirements, campus and community resources, creating a personal statement, and developing mentor relationships. Field trips may be required. Alternative assignments will be provided for those students who cannot participate on the field trips.

HCD 310 College Success

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300, ESLR 340, and ESLW 340 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area E1

This course provides students with an introduction to student learning expectations and the outcomes of higher education. Through exposure, exploration, and application of intellectual, social, cultural, and psychological principles students will obtain the skills necessary to reach their educational objectives and prepare them for the challenges of the educational curriculum required to be successful in higher education. Students will expand their knowledge and personal awareness in regard to academic motivation, self-discipline, career exploration, and personal responsibility. Strategies will include an introduction to critical thinking in an academic setting, effective communication skills, goal setting techniques, and study skills. College resources and information competency will also be covered. It is highly recommended for new, continuing, and returning students. The course may be offered for specific populations. An optional field trip may be included.

HCD 312 Guidance for U.S. Newcomers

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU
General Education: AA/AS Area III(b)

This course will introduce U.S. newcomers to cross-cultural issues and college expectations. Topics may include concepts on cultural adjustment while addressing study skill methods necessary for success in a U.S. college environment. Student rights and responsibilities, and student support services will be covered. Information obtained through general education requirements will assist in the development of a student educational planner. Optional field trips may be included.

HCD 318 Transfer: Making It Happen

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU; UC

This course will introduce community college students to strategies for successful transfer and eventual graduation from four-year colleges or universities. College research, application process, transfer resources, general education breadth and major requirements, and differentiation between college selection and majors will be examined. Self-assessment of values, interests, and well-being will be included. Current

transfer trends and issues will also be addressed. Optional field trips may be included.

HCD 330 Life and Career Planning

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: Concurrent enrollment in ENGWR 300 and/or ESLW340
Transferable: CSU
General Education: AA/AS Area III(b)

This course offers a holistic approach to life and career planning based on extensive measurement of interests, aptitudes, skills, values, personality, and life and personal circumstances. Personal and career goals will be formulated using career research and decision-making strategies.

HCD 495 Independent Studies in Human Career Development

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

HCD 499 Experimental Offering in Human Career Development

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Humanities

Deep in historical significance, and steeped in the arts, literature, and philosophy, the study of humanities offers a rich exploration of classical, Western, and non-Western societies.

Our courses are designed to provide an analysis of cultural development through the influence of art, architecture, literature, music, philosophy, religion, and intersection of significant historical events.

Degrees Offered

A.A. in Interdisciplinary Studies: Arts and Humanities

Dean Patti Leonard

Department Chair Dr. Valerie Rohret

Phone (916) 650-2942

Email rohretv@scc.losrios.edu

Associate Degree

A.A. in Interdisciplinary Studies: Arts and Humanities

The Interdisciplinary Studies degree is designed for students who seek a greater understanding of disciplines within the arts and humanities. This program is a good choice for students planning on transferring to the California State University or the University of California. The student will be able to satisfy general education requirements and focus on transferable course work that relates to a specific major and/or individual interest.

It is highly recommended that students consult a counselor to determine the classes within each area that will best prepare them for their intended transfer major.

Degree Requirements

Course Code	Course Title	Units
A minimum of 18 units from the following:		18[1]
ARABIC 401	Elementary Arabic (5)	
ARABIC 402	Elementary Arabic (5)	
ART 300	Drawing and Composition I (3)	
ART 301	Digital Drawing and Composition (3)	
ART 302	Drawing and Composition II (3)	
ART 304	Figure Drawing I (3)	
ART 305	Figure Drawing II (3)	
ART 307	Rendering (3)	
ART 310	Pen and Ink Drawing (3)	
ART 312	Portrait Drawing (3)	
ART 320	Design: Fundamentals (3)	
ART 322	Design: Image and Content (3)	
ART 323	Design: Color Theory (3)	
ART 324	Collage and Assemblage (3)	
ART 330	Mural Painting (3)	
ART 332	Oil Painting (3)	
ART 333	Intermediate Oil Painting (3)	
ART 334	Acrylic Painting (3)	
ART 335	Acrylic Painting: Abstract (3)	
ART 336	Watercolor Painting (3)	
ART 337	Intermediate Watercolor Painting (3)	
ART 361	Printmaking: Survey (3)	
ART 362	Printmaking: Intaglio (3)	
ART 363	Printmaking: Screen Printing (3)	
ART 364	Printmaking: Relief (3)	
ART 366	Printmaking: Lithography (3)	
ART 367	Book Arts (3)	
ART 370	Three Dimensional Design (3)	
ART 372	Sculpture (3)	
ART 373	Intermediate Sculpture (3)	
ART 374	Sculpture Lab (1 - 2)	
ART 375	Figure Sculpture (3)	
ART 380	Techniques in Metal Design (3)	
ART 381	Intermediate Techniques in Metal Design (3)	
ART 384	Metal Design: Emphasis In Casting (3)	
ART 385	Metal Arts Lab (1 - 2)	
ART 390	Ceramics (3)	
ART 391	Intermediate Ceramics (3)	
ART 392	Ceramic Lab (1 - 2)	
ART 394	Wheel Thrown Ceramics, Beginning (3)	
ART 395	Wheel Thrown Ceramics, Intermediate (3)	
ART 396	Wheel Thrown Ceramics, Advanced (3)	
ART 400	Clay Sculpture (3)	
ART 404	Intermediate Clay Sculpture (3)	
ART 440	Artists' Materials and Techniques (3)	
ART 443	Art Gallery Operations (3)	
ART 445	Art Gallery Operations (3)	
ART 446	Portfolio Preparation (3)	
ART 494	Topics in Art (0.5 - 4)	
ART 495	Independent Studies in Art (1 - 3)	
ART 498	Work Experience in Art (0.5 - 4)	
ARTH 300	Art Appreciation (3)	
ARTH 304	Ancient Art (3)	
ARTH 306	Medieval Art (3)	
ARTH 307	Italian Renaissance Art (3)	
ARTH 308	Renaissance Tradition in Art (3)	
ARTH 310	Modern Art (3)	
ARTH 312	Women in Art (3)	
ARTH 313	History of Western Architecture: Prehistoric to Renaissance (3)	

Course Code	Course Title	Units
ARTH 314	History of Western Architecture: Renaissance to Modern (3)	
ARTH 318	History of American Art (3)	
ARTH 320	Multicultural Art in America (3)	
ARTH 324	Art of the Americas (3)	
ARTH 325	Native American Art History (3)	
ARTH 328	Survey of African Art (3)	
ARTH 332	Asian Art (3)	
ARTH 334	International Contemporary Art (3)	
ARTH 410	Early 20th Century Art (3)	
ARTH 484	Ancient Art-Honors (3)	
ARTH 486	Medieval Art-Honors (3)	
ARTH 487	Renaissance Art-Honors (3)	
ARTH 488	Modern Art--Honors (3)	
ARTH 494	Topics in Art History (0.5 - 4)	
ARTH 495	Independent Studies in Art History (1 - 3)	
ARTH 499	Experimental Offering in Art History (0.5 - 4)	
CANT 401	Elementary Cantonese (4)	
CANT 402	Elementary Cantonese (4)	
CANT 411	Intermediate Cantonese (4)	
CANT 412	Intermediate Cantonese (4)	
COMM 305	Oral Interpretation (3)	
DEAF 310	American Sign Language I (4)	
DEAF 312	American Sign Language II (4)	
DEAF 314	American Sign Language III (4)	
DEAF 316	American Sign Language IV (4)	
ENGCW 400	Creative Writing (3)	
ENGCW 410	Fiction Writing Workshop (3)	
ENGCW 420	Poetry Writing Workshop (3)	
ENGCW 430	Creative Non-Fiction Writing Workshop (3)	
ENGLT 301	Introduction to Literature in Hip-Hop Culture (3)	
ENGLT 303	Introduction to the Short Story (3)	
ENGLT 310	English Literature I (3)	
ENGLT 311	English Literature II (3)	
ENGLT 317	The English Bible as Literature (3)	
ENGLT 320	American Literature I (3)	
ENGLT 321	American Literature II (3)	
ENGLT 327	Literature of California (3)	
ENGLT 328	Literature and The Environment (3)	
ENGLT 331	African-American Literature (1730-1930) (3)	
ENGLT 332	African-American Literature (1930-Present) (3)	
ENGLT 334	Asian-American Literature (3)	
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	

Course Code	Course Title	Units
ENGLT 360	Women in Literature (3)	
ENGLT 365	Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370	Children and Literature (3)	
ENGLT 380	Introduction to Shakespeare (3)	
ENGLT 392	Science Fiction and Fantasy (3)	
ENGLT 400	Introduction to Film (3)	
ENGLT 401	Women in Film and Literature (3)	
ENGLT 403	Film Adaptations (3)	
ENGLT 404	Documentary Film Studies (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
ENGLT 494	Topics in Literature (3)	
ENGLT 495	Independent Studies in Literature (1 - 3)	
ENGLT 499	Experimental Offering in Literature (0.5 - 4)	
ENGWR 301	College Composition and Literature (3)	
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature (4)	
FREN 401	Elementary French (4)	
FREN 402	Elementary French (4)	
FREN 411	Intermediate French (4)	
FREN 412	Intermediate French (4)	
GREEK 401	Elementary Modern Standard Greek (4)	
GREEK 402	Elementary Modern Standard Greek (4)	
HIST 300	History of Western Civilization (3)	
HIST 302	History of Western Civilization (3)	
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HUM 300	Classical Humanities (3)	
HUM 310	Modern Humanities (3)	
HUM 332	American Humanities (3)	
HUM 352	Religious Themes in Western Art, Literature and Music (3)	
ITAL 401	Elementary Italian (4)	
ITAL 402	Elementary Italian (4)	
JAPAN 401	Elementary Japanese (4)	
JAPAN 402	Elementary Japanese (4)	
JAPAN 411	Intermediate Japanese (4)	
JAPAN 412	Intermediate Japanese (4)	
KOREAN 401	Elementary Korean (4)	
KOREAN 402	Elementary Korean (4)	
MAND 401	Elementary Mandarin (4)	
MAND 402	Elementary Mandarin (4)	
MAND 411	Intermediate Mandarin (4)	

Course Code	Course Title	Units
MAND 412	Intermediate Mandarin (4)	
MUFHL 305	Music Appreciation (3)	
MUFHL 309	Introduction to American Popular Music (3)	
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 315	Jazz History (3)	
MUFHL 330	World Music (3)	
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 345	Beginning Piano I (1 - 2)	
MUIVI 346	Beginning Piano II (1 - 2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 357	Advanced Piano I (1 - 2)	
MUIVI 358	Advanced Piano II (1 - 2)	
MUIVI 371	Intermediate Guitar (2)	
MUIVI 372	Advanced Guitar (2)	
MUIVI 373	Popular Electric Bass Styles I (1)	
MUIVI 374	Popular Electric Bass Styles II (1)	
MUIVI 375	Popular Electric Guitar Styles I (1)	
MUIVI 377	Popular Electric Guitar Styles II (1)	
MUIVI 380	Improvisation Workshop I (2)	
MUIVI 381	Improvisation Workshop II (2)	
MUIVI 382	Improvisation Workshop III (2)	
MUIVI 452	World Drumming (1)	
MUIVI 454	Indian Classical Fusion Improvisation (1)	
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
PHIL 300	Introduction to Philosophy (3)	
PHIL 306	Environmental Philosophy (3)	
PHIL 310	Introduction to Ethics (3)	
PHIL 330	History of Classical Philosophy (3)	
PHIL 331	History of Modern Philosophy (3)	
PHIL 338	Contemporary Philosophy (3)	
PHIL 352	Introduction to World Religions (3)	
PHIL 368	Law, Justice, and Punishment (3)	
PRSIAN 401	Elementary Persian (4)	
PRSIAN 402	Elementary Persian (4)	
PNJABI 401	Elementary Punjabi (4)	
PNJABI 402	Elementary Punjabi (4)	
RUSS 401	Elementary Russian (4)	
RUSS 402	Elementary Russian (4)	
RUSS 411	Intermediate Russian (4)	
RUSS 412	Intermediate Russian (4)	
SPAN 401	Elementary Spanish (4)	
SPAN 402	Elementary Spanish (4)	
SPAN 411	Intermediate Spanish (4)	
SPAN 412	Intermediate Spanish (4)	
TA 300	Introduction to the Theatre (3)	
TA 302	History and Theory of the Theatre I (3)	
TA 303	History and Theory of the Theatre II (3)	
TA 308	Diversity in American Theatre (3)	
TA 342	Introduction to Acting (3)	
TA 350	Theory and Techniques of Acting I (3)	
TA 351	Theory and Techniques of Acting II (3)	
TAFILM 300	Introduction to Film (3)	
TAFILM 302	History of Film (3)	
TAFILM 303	History of Film: 1880's through 1950's (3)	
TAFILM 304	History of Film: 1950's to Present (3)	
TAFILM 320	Cinema Genres (3)	
TAFILM 330	Film Making (3)	
TAFILM 360	Screenwriting (3)	
TGLG 401	Elementary Tagalog (4)	
TGLG 402	Elementary Tagalog (4)	
VIET 401	Elementary Vietnamese (4)	
VIET 402	Elementary Vietnamese (4)	
Total Units:		**18**

[1]Select courses from at least three areas.

The Interdisciplinary Studies: Arts and Humanities Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation and expression.

Career Information

Students who complete this degree pattern can find career opportunities in the growing film and entertainment industries; in education; in the design and fabrication industries, and as an independent contractor concentrating in the area of their study.

Humanities (HUM) Courses

HUM 300 Classical Humanities

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101, LIBR 318, or LIBR 325 with a grade of "C" or better

Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course is a survey of Western culture that focuses on human accomplishment expressed through painting, sculpture, architecture, music, literature, religion, and philosophy. Emphasis is on the civilizations of the ancient world, Egypt, Greece, Rome, and the Middle Ages. Optional field trips may be scheduled.

HUM 310 Modern Humanities

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This is an interdisciplinary course dealing with Western Civilization: literature, art, music, philosophy, and history. This course concentrates on the period from the Renaissance in Europe to the present day.

HUM 320 Asian Humanities

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: LIBR 318 or 325
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

This course introduces the cultural traditions, art, literature, music, philosophy, and history of the Far East from ancient times to the present. Emphasis is placed upon the relationship of the humanities to the history, religions, and cultural contexts of India, China, and Japan. Other regions and cultures, including Vietnam, Laos, and Korea may also be covered. Ethnocentrism and the relationships between cultures are also studied.

HUM 332 American Humanities

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; CSU Area C2; IGETC Area 3B

This course analyzes the literature, art, music, philosophy, and history of America, both before and after the arrival of European explorers. The arts of African American, Native American, Asian American, Eurocentric, and Latino cultures are investigated in order to understand the practical and aesthetic effects of race, ethnicity, class, and gender as they impact American life and culture.

HUM 352 Religious Themes in Western Art, Literature and Music

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; CSU Area C2; IGETC Area 3B

This course explores major religious themes and their influence on cultural forms such as visual art, literature, philosophy, music, and film. The course emphasizes increasing students' appreciation of the works studied and encourages students to recognize the relationship between these works and the social context in which they were produced.

HUM 370 Women and the Creative Imagination

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course examines the creative powers of women throughout the history of art from antiquity to the present. The course offers an interdisciplinary perspective on the contributions of women artists as evidenced in literature and the visual and performing arts. Using gender as the primary lens of analysis, this course seeks to uncover the broader contexts of female experience by probing the relationship women artists had to the historical periods in which they lived and worked. A field trip may be required.

HUM 495 Independent Studies in Humanities

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

HUM 499 Experimental Offering in Humanities

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Interdisciplinary Studies

The Interdisciplinary Studies degrees are designed for students who seek a greater understanding of disciplines within the Humanities and Fine Arts, environmental issues, the theories, methods, and analytical techniques commonly employed in the fields of Math and Science, or disciplines within the Behavioral and Social Sciences.

Degrees Offered

A.A. in Environmental Literacy

A.A. in Interdisciplinary Studies: Arts and Humanities

A.A. in Interdisciplinary Studies: Math and Science

A.A. in Interdisciplinary Studies: Social and Behavioral Sciences

Dean Rukiya Bates

Phone (916) 558-2204

Email counseling@scc.losrios.edu

Associate Degrees

A.A. in Environmental Literacy

The Environmental Literacy degree is designed to provide students with an interdisciplinary knowledge of environmental issues and theories focused on the humanities and social sciences (rather than the natural sciences). The program will require that participants learn (1) various historical, literary, social, psychological, economic, and philosophical dimensions and implications of environmental issues and (2) to read, write, evaluate, revise, and present their ideas with a level of clarity and cogency that will make them eligible for immediate employment.

Degree Requirements

Course Code	Course Title	Units
A minimum of 6 units from the following:		6
BIOL 305	Natural History (4)	
BIOL 350	Environmental Biology (3)	
GEOG 302	Environmental Studies & Sustainability (3)	
A minimum of 6 units from the following:		6
ECON 304	Principles of Microeconomics (3)	
ENGLT 328	Literature and The Environment (3)	
PHIL 306	Environmental Philosophy (3)	
POLS 350	Environmental Politics (3)	
A minimum of 6 units from the following:		6
BIOL 305	Natural History (4)	
BIOL 350	Environmental Biology (3)	
BIOL 360	Environmental Regulations (3)	
CHEM 320	Environmental Chemistry (4)	
GEOG 302	Environmental Studies & Sustainability (3)	
GEOG 305	Global Climate Change (3)	
ECON 304	Principles of Microeconomics (3)	
ENGLT 328	Literature and The Environment (3)	
PHIL 306	Environmental Philosophy (3)	
POLS 350	Environmental Politics (3)	
SOC 301	Social Problems (3)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
Total Units:		**18**

The Environmental Literacy Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- possess specialized knowledge that will be applicable in fields such as environmental politics, literature, economics, philosophy, and community activism.
- demonstrate familiarity with and understanding of the major environmental positions presented in the relevant history and literature.
- identify, expose, analyze, and evaluate the interconnections between the environment and the domestic and world economies.
- identify and critically evaluate environmental conflicts in various realms and at various levels.
- write position papers in regard to environmental concerns that are clear, concise, and well constructed.
- identify, expose, analyze, and evaluate the ethical dimensions of various environmental theories and practices.
- compete for environment focused jobs in administration, law, government, design, journalism, etc.

Career Information

This degree will evidence competency in understanding and ability to work successfully with environmental problems and solutions upon graduation with the AA. Students should be able to assume administrative and research positions and other entry level, non-technical positions. For example, graduates with an associate degree in Environmental Literacy should be employable as environmental research assistants and community organizers (e.g., aiding community transition to low carbon activities). Depending on the course work selected, the course of study may lead into several social science (e.g., political science), humanities (e.g., philosophy), or environmental study bachelor degree programs. Note that most environmental study degree programs in California require natural science and math courses over and above those required for this AA. Students may find employment in policy, law, journalism, education, activism, and arts in regard to the environment. Positions such as policy adviser, energy contract negotiator, city resiliency specialist, public transportation coordinator, and environmental journalist are a

sample of possible lines of work. Lastly, this program will prepare students to be active, informed participants in their communities in responding to the environmental challenges confronting us.

A.A. in Interdisciplinary Studies: Arts and Humanities

The Interdisciplinary Studies degree is designed for students who seek a greater understanding of disciplines within the arts and humanities. This program is a good choice for students planning on transferring to the California State University or the University of California. The student will be able to satisfy general education requirements and focus on transferable course work that relates to a specific major and/or individual interest.

It is highly recommended that students consult a counselor to determine the classes within each area that will best prepare them for their intended transfer major.

Degree Requirements

Course Code	Course Title	Units
A minimum of 18 units from the following:		18[1]
ARABIC 401	Elementary Arabic (5)	
ARABIC 402	Elementary Arabic (5)	
ART 300	Drawing and Composition I (3)	
ART 301	Digital Drawing and Composition (3)	
ART 302	Drawing and Composition II (3)	
ART 304	Figure Drawing I (3)	
ART 305	Figure Drawing II (3)	
ART 307	Rendering (3)	
ART 310	Pen and Ink Drawing (3)	
ART 312	Portrait Drawing (3)	
ART 320	Design: Fundamentals (3)	
ART 322	Design: Image and Content (3)	
ART 323	Design: Color Theory (3)	
ART 324	Collage and Assemblage (3)	
ART 330	Mural Painting (3)	
ART 332	Oil Painting (3)	
ART 333	Intermediate Oil Painting (3)	
ART 334	Acrylic Painting (3)	
ART 335	Acrylic Painting: Abstract (3)	
ART 336	Watercolor Painting (3)	
ART 337	Intermediate Watercolor Painting (3)	
ART 361	Printmaking: Survey (3)	
ART 362	Printmaking: Intaglio (3)	
ART 363	Printmaking: Screen Printing (3)	
ART 364	Printmaking: Relief (3)	
ART 366	Printmaking: Lithography (3)	
ART 367	Book Arts (3)	
ART 370	Three Dimensional Design (3)	
ART 372	Sculpture (3)	
ART 373	Intermediate Sculpture (3)	
ART 374	Sculpture Lab (1 - 2)	
ART 375	Figure Sculpture (3)	
ART 380	Techniques in Metal Design (3)	
ART 381	Intermediate Techniques in Metal Design (3)	
ART 384	Metal Design: Emphasis In Casting (3)	
ART 385	Metal Arts Lab (1 - 2)	
ART 390	Ceramics (3)	
ART 391	Intermediate Ceramics (3)	
ART 392	Ceramic Lab (1 - 2)	
ART 394	Wheel Thrown Ceramics, Beginning (3)	
ART 395	Wheel Thrown Ceramics, Intermediate (3)	
ART 396	Wheel Thrown Ceramics, Advanced (3)	
ART 400	Clay Sculpture (3)	
ART 404	Intermediate Clay Sculpture (3)	
ART 440	Artists' Materials and Techniques (3)	
ART 443	Art Gallery Operations (3)	
ART 445	Art Gallery Operations (3)	
ART 446	Portfolio Preparation (3)	
ART 494	Topics in Art (0.5 - 4)	
ART 495	Independent Studies in Art (1 - 3)	
ART 498	Work Experience in Art (0.5 - 4)	
ARTH 300	Art Appreciation (3)	
ARTH 304	Ancient Art (3)	
ARTH 306	Medieval Art (3)	
ARTH 307	Italian Renaissance Art (3)	
ARTH 308	Renaissance Tradition in Art (3)	
ARTH 310	Modern Art (3)	
ARTH 312	Women in Art (3)	
ARTH 313	History of Western Architecture: Prehistoric to Renaissance (3)	
ARTH 314	History of Western Architecture: Renaissance to Modern (3)	
ARTH 318	History of American Art (3)	
ARTH 320	Multicultural Art in America (3)	
ARTH 324	Art of the Americas (3)	
ARTH 325	Native American Art History (3)	
ARTH 328	Survey of African Art (3)	
ARTH 332	Asian Art (3)	
ARTH 334	International Contemporary Art (3)	
ARTH 410	Early 20th Century Art (3)	
ARTH 484	Ancient Art-Honors (3)	
ARTH 486	Medieval Art-Honors (3)	
ARTH 487	Renaissance Art-Honors (3)	
ARTH 488	Modern Art--Honors (3)	
ARTH 494	Topics in Art History (0.5 - 4)	
ARTH 495	Independent Studies in Art History (1 - 3)	
ARTH 499	Experimental Offering in Art History (0.5 - 4)	

Course Code	Course Title	Units
CANT 401	Elementary Cantonese (4)	
CANT 402	Elementary Cantonese (4)	
CANT 411	Intermediate Cantonese (4)	
CANT 412	Intermediate Cantonese (4)	
COMM 305	Oral Interpretation (3)	
DEAF 310	American Sign Language I (4)	
DEAF 312	American Sign Language II (4)	
DEAF 314	American Sign Language III (4)	
DEAF 316	American Sign Language IV (4)	
ENGCW 400	Creative Writing (3)	
ENGCW 410	Fiction Writing Workshop (3)	
ENGCW 420	Poetry Writing Workshop (3)	
ENGCW 430	Creative Non-Fiction Writing Workshop (3)	
ENGLT 301	Introduction to Literature in Hip-Hop Culture (3)	
ENGLT 303	Introduction to the Short Story (3)	
ENGLT 310	English Literature I (3)	
ENGLT 311	English Literature II (3)	
ENGLT 317	The English Bible as Literature (3)	
ENGLT 320	American Literature I (3)	
ENGLT 321	American Literature II (3)	
ENGLT 327	Literature of California (3)	
ENGLT 328	Literature and The Environment (3)	
ENGLT 331	African-American Literature (1730-1930) (3)	
ENGLT 332	African-American Literature (1930-Present) (3)	
ENGLT 334	Asian-American Literature (3)	
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	
ENGLT 360	Women in Literature (3)	
ENGLT 365	Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370	Children and Literature (3)	
ENGLT 380	Introduction to Shakespeare (3)	
ENGLT 392	Science Fiction and Fantasy (3)	
ENGLT 400	Introduction to Film (3)	
ENGLT 401	Women in Film and Literature (3)	
ENGLT 403	Film Adaptations (3)	
ENGLT 404	Documentary Film Studies (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
ENGLT 494	Topics in Literature (3)	
ENGLT 495	Independent Studies in Literature (1 - 3)	
ENGLT 499	Experimental Offering in Literature (0.5 - 4)	
ENGWR 301	College Composition and Literature (3)	
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature (4)	
FREN 401	Elementary French (4)	
FREN 402	Elementary French (4)	
FREN 411	Intermediate French (4)	
FREN 412	Intermediate French (4)	
GREEK 401	Elementary Modern Standard Greek (4)	
GREEK 402	Elementary Modern Standard Greek (4)	
HIST 300	History of Western Civilization (3)	
HIST 302	History of Western Civilization (3)	
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HUM 300	Classical Humanities (3)	
HUM 310	Modern Humanities (3)	
HUM 332	American Humanities (3)	
HUM 352	Religious Themes in Western Art, Literature and Music (3)	
ITAL 401	Elementary Italian (4)	
ITAL 402	Elementary Italian (4)	
JAPAN 401	Elementary Japanese (4)	
JAPAN 402	Elementary Japanese (4)	
JAPAN 411	Intermediate Japanese (4)	
JAPAN 412	Intermediate Japanese (4)	
KOREAN 401	Elementary Korean (4)	
KOREAN 402	Elementary Korean (4)	
MAND 401	Elementary Mandarin (4)	
MAND 402	Elementary Mandarin (4)	
MAND 411	Intermediate Mandarin (4)	
MAND 412	Intermediate Mandarin (4)	
MUFHL 305	Music Appreciation (3)	
MUFHL 309	Introduction to American Popular Music (3)	
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 315	Jazz History (3)	
MUFHL 330	World Music (3)	
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 345	Beginning Piano I (1 - 2)	
MUIVI 346	Beginning Piano II (1 - 2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 357	Advanced Piano I (1 - 2)	
MUIVI 358	Advanced Piano II (1 - 2)	
MUIVI 371	Intermediate Guitar (2)	

Course Code	Course Title	Units
MUIVI 372	Advanced Guitar (2)	
MUIVI 373	Popular Electric Bass Styles I (1)	
MUIVI 374	Popular Electric Bass Styles II (1)	
MUIVI 375	Popular Electric Guitar Styles I (1)	
MUIVI 377	Popular Electric Guitar Styles II (1)	
MUIVI 380	Improvisation Workshop I (2)	
MUIVI 381	Improvisation Workshop II (2)	
MUIVI 382	Improvisation Workshop III (2)	
MUIVI 452	World Drumming (1)	
MUIVI 454	Indian Classical Fusion Improvisation (1)	
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
PHIL 300	Introduction to Philosophy (3)	
PHIL 306	Environmental Philosophy (3)	
PHIL 310	Introduction to Ethics (3)	
PHIL 330	History of Classical Philosophy (3)	
PHIL 331	History of Modern Philosophy (3)	
PHIL 338	Contemporary Philosophy (3)	
PHIL 352	Introduction to World Religions (3)	
PHIL 368	Law, Justice, and Punishment (3)	
PRSIAN 401	Elementary Persian (4)	
PRSIAN 402	Elementary Persian (4)	
PNJABI 401	Elementary Punjabi (4)	
PNJABI 402	Elementary Punjabi (4)	
RUSS 401	Elementary Russian (4)	
RUSS 402	Elementary Russian (4)	
RUSS 411	Intermediate Russian (4)	
RUSS 412	Intermediate Russian (4)	
SPAN 401	Elementary Spanish (4)	
SPAN 402	Elementary Spanish (4)	
SPAN 411	Intermediate Spanish (4)	
SPAN 412	Intermediate Spanish (4)	
TA 300	Introduction to the Theatre (3)	
TA 302	History and Theory of the Theatre I (3)	
TA 303	History and Theory of the Theatre II (3)	
TA 308	Diversity in American Theatre (3)	
TA 342	Introduction to Acting (3)	
TA 350	Theory and Techniques of Acting I (3)	
TA 351	Theory and Techniques of Acting II (3)	
TAFILM 300	Introduction to Film (3)	
TAFILM 302	History of Film (3)	
TAFILM 303	History of Film: 1880's through 1950's (3)	
TAFILM 304	History of Film: 1950's to Present (3)	
TAFILM 320	Cinema Genres (3)	
TAFILM 330	Film Making (3)	
TAFILM 360	Screenwriting (3)	
TGLG 401	Elementary Tagalog (4)	
TGLG 402	Elementary Tagalog (4)	
VIET 401	Elementary Vietnamese (4)	
VIET 402	Elementary Vietnamese (4)	
Total Units:		**18**

[1]Select courses from at least three areas.

The Interdisciplinary Studies: Arts and Humanities Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation and expression.

Career Information

Students who complete this degree pattern can find career opportunities in the growing film and entertainment industries; in education; in the design and fabrication industries, and as an independent contractor concentrating in the area of their study.

A.A. in Interdisciplinary Studies: Math and Science

This Interdisciplinary Studies degree is designed for students who wish to develop a greater understanding of the theories, methods, and analytical techniques commonly employed in the fields of math and science.

Degree Requirements

Course Code	Course Title	Units
A minimum of 9 units from the following:		9[1]
ANTH 300	Biological Anthropology (3)	
ANTH 301	Biological Anthropology Laboratory (1)	
ANTH 480	Honors Biological Anthropology (3)	
ASTR 310	The Solar System (3)	
ASTR 320	Stars, Galaxies, and Cosmology (3)	
ASTR 330	Introduction to Astrobiology (3)	
ASTR 400	Astronomy Laboratory (1)	
BIOL 305	Natural History (4)	
BIOL 308	Contemporary Biology (3)	
BIOL 309	Contemporary Biology Laboratory (1)	
BIOL 310	General Biology (4)	
BIOL 326	Ethnobotany (3)	

Course Code	Course Title	Units
BIOL 342	The New Plagues: New and Ancient Infectious Diseases Threatening World Health (3)	
BIOL 350	Environmental Biology (3)	
BIOL 370	Marine Biology (4)	
BIOL 402	Cell and Molecular Biology (5)	
BIOL 412	Plant Biology (5)	
BIOL 422	Animal Biology (5)	
BIOL 430	Anatomy and Physiology (5)	
BIOL 431	Anatomy and Physiology (5)	
BIOL 440	General Microbiology (4)	
CHEM 300	Beginning Chemistry (4)	
CHEM 305	Introduction to Chemistry (5)	
CHEM 306	Introduction to Organic and Biological Chemistry (5)	
CHEM 309	Integrated General, Organic, and Biological Chemistry (5)	
CHEM 320	Environmental Chemistry (4)	
CHEM 330	Adventures in Chemistry (4)	
CHEM 336	Art and Chemistry (4)	
CHEM 400	General Chemistry I (5)	
CHEM 401	General Chemistry II (5)	
CHEM 410	Quantitative Analysis (5)	
CHEM 420	Organic Chemistry I (5)	
CHEM 421	Organic Chemistry II (5)	
CHEM 425	Organic Chemistry with Biological Emphasis I (4)	
CHEM 426	Organic Chemistry with Biological Emphasis II (4)	
CHEM 484	Advanced General Chemistry - Honors (1)	
ECON 310	Statistics for Business and Economics (3)	
GEOG 300	Physical Geography: Exploring Earth's Environmental Systems (3)	
GEOG 301	Physical Geography Laboratory (1)	
GEOG 305	Global Climate Change (3)	
GEOG 306	Weather and Climate (3)	
GEOG 308	Introduction to Oceanography (3)	
GEOG 331	Exploring Maps and Geographic Technologies (3)	
GEOL 300	Physical Geology (3)	
GEOL 301	Physical Geology Laboratory (1)	
GEOL 305	Earth Science (3)	
GEOL 306	Earth Science Laboratory (1)	
GEOL 308	Introduction to Geology (3)	
GEOL 310	Historical Geology (3)	
GEOL 311	Historical Geology Laboratory (1)	
GEOL 345	Geology of California (3)	
PHYS 310	Conceptual Physics (3)	
PHYS 350	General Physics (4)	
PHYS 360	General Physics (4)	
PHYS 410	Mechanics of Solids and Fluids (5)	
PHYS 420	Electricity and Magnetism (5)	
PHYS 430	Heat, Waves, Light and Modern Physics (5)	
PSYC 310	Biological Psychology (3)	
PSYC 311	Biological Psychology Laboratory (1)	
A minimum of 9 units from the following:		9
MATH 300	Introduction to Mathematical Ideas (3)	
MATH 310	Mathematical Discovery (3)	
MATH 335	Trigonometry with College Algebra (5)	
MATH 342	Modern Business Mathematics (3)	
MATH 350	Calculus for the Life and Social Sciences I (3)	
MATH 351	Calculus for the Life and Social Sciences II (3)	
MATH 355	Calculus for Biology and Medicine I (4)	
MATH 356	Calculus for Biology and Medicine II (4)	
MATH 370	Pre-Calculus Mathematics (5)	
MATH 372	College Algebra for Calculus (4)	
MATH 373	Trigonometry for Calculus (4)	
MATH 400	Calculus I (5)	
MATH 401	Calculus II (5)	
MATH 402	Calculus III (5)	
MATH 410	Introduction to Linear Algebra (3)	
MATH 420	Differential Equations (4)	
STAT 300	Introduction to Probability and Statistics (4)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
Total Units:		**18**

[1]Select courses from at least two sciences.

The Interdisciplinary Studies: Math and Science Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of scientific methodologies.
- demonstrate quantitative reasoning skills.
- apply scientific theories in the interpretation and analysis of the physical universe, its life forms, and its natural phenomena.

Career Information

Students who complete this degree pattern will be well-suited to pursue careers in science, medicine, math, and education.

A.A. in Interdisciplinary Studies: Social and Behavioral Sciences

The Interdisciplinary Studies degree is designed for students who seek a greater understanding of disciplines within the social and behavioral sciences. This program is a good choice for students planning on transferring to the California State

University or the University of California. The student will be able to satisfy general education requirements and focus on transferable course work that relates to a specific major and/or individual interest.

Degree Requirements

Course Code	Course Title	Units
A minimum of 18 units from the following:		18[1]
ANTH 310	Cultural Anthropology (3)	
ANTH 323	Introduction to Archaeology (3)	
ANTH 324	World Prehistory (3)	
ANTH 331	The Anthropology of Religion (3)	
ANTH 332	Native Peoples of California (3)	
ANTH 334	Native Peoples of North America (3)	
ANTH 341	Introduction to Linguistics (3)	
ANTH 481	Honors Cultural Anthropology (3)	
BUS 330	Managing Diversity in the Workplace (3)	
BUS 345	Law and Society (3)	
COMM 321	Interpersonal Communication (3)	
COMM 325	Intercultural Communication (3)	
COMM 335	Conflict Management (3)	
COMM 341	Organizational Communication (3)	
COMM 351	Mass Media and Society (3)	
DEAF 351	Introduction to American Deaf Culture (3)	
ECE 312	Child Development (3)	
ECE 314	The Child, the Family and the Community (3)	
ECON 302	Principles of Macroeconomics (3)	
ECON 304	Principles of Microeconomics (3)	
ENGWR 384	Mass Media and Society (3)	
ETHNS 300	Introduction to Ethnic Studies (3)	
ETHNS 320	The African American Experience (3)	
ETHNS 330	The Asian American Experience in America (3)	
ETHNS 340	Chicanos/Mexican Americans in the U.S. (3)	
ETHNS 341	The Sociology & Psychology of Mexicans and Latinos in the U.S. (3)	
ETHNS 350	Introduction to Native American Studies (3)	
ETHNS 351	Native American Culture and the Impact of Federal Policy (3)	
FCS 324	Human Development: A Life Span (3)	
GEOG 302	Environmental Studies & Sustainability (3)	
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes (3)	
GEOG 320	World Regional Geography (3)	
GERON 300	Sociology of Aging (3)	
GERON 302	Psychology of Aging: Adult Development and Aging (3)	
GLST 301	Introduction to Global Studies (3)	
GLST 302	Global Issues (3)	
HIST 300	History of Western Civilization (3)	
HIST 302	History of Western Civilization (3)	
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HIST 310	History of the United States (To 1877) (3)	
HIST 311	History of the United States (1865 - Present) (3)	
HIST 314	Recent United States History (3)	
HIST 320	History of the United States: African-American Emphasis (3)	
HIST 321	History of the United States: African-American Emphasis (3)	
HIST 327	History of the Chicano/Mexican American (3)	
HIST 344	Survey of California History: A Multicultural Perspective (3)	
HIST 360	History of African Civilizations (3)	
HIST 364	Asian Civilization (3)	
HIST 365	Asian Civilization (3)	
HIST 373	History of Mexico (3)	
HIST 375	The History of Modern Latin America and Caribbean (3)	
HIST 380	History of the Middle East (3)	
HIST 381	Modern Palestinian History and Culture (3)	
HIST 483	History of the United States - Honors (3)	
HIST 484	History of the United States - Honors (3)	
HIST 485	Recent United States History - Honors (3)	
HIST 486	History of the United States: African American Emphasis - Honors (3)	
HIST 487	History of the United States: African American Emphasis - Honors (3)	
JOUR 310	Mass Media and Society (3)	
JOUR 320	Race and Gender in the Media (3)	
PHIL 368	Law, Justice, and Punishment (3)	
POLS 301	Introduction to Government: United States (3)	
POLS 302	Comparative Politics (3)	
POLS 304	Introduction to Government: California (3)	
POLS 310	Introduction to International Relations (3)	
POLS 312	Politics of the Middle East (3)	
POLS 313	Latin America (3)	
POLS 320	Introduction to Political Theory (3)	
POLS 322	Political Ideologies (3)	
POLS 340	Women in Politics (3)	
POLS 480	Introduction to International Relations - Honors (3)	
POLS 481	Introduction to Government: United States - Honors (3)	
PSYC 300	General Principles (3)	
PSYC 314	Animal Behavior and Cognition (3)	
PSYC 315	Psychopharmacology (3)	
PSYC 316	Cognitive Psychology (3)	
PSYC 320	Social Psychology (3)	
PSYC 335	Research Methods in Psychology (3)	

Course Code	Course Title	Units
PSYC 340	Abnormal Behavior (3)	
PSYC 352	Psychology of Peace and Conflict (3)	
PSYC 356	Human Sexuality (3)	
PSYC 360	Psychology of Women (3)	
PSYC 364	Psychology of Sexual Orientation (3)	
PSYC 367	Psychology of Minorities (3)	
PSYC 370	Human Development: A Life Span (3)	
PSYC 374	Psychology of Aging: Adult Development and Aging (3)	
PSYC 390	Psychology of Death and Dying (3)	
PSYC 392	Loss and Grief (2)	
PSYC 405	Substance Abuse: Effects on Body and Behavior (3)	
PSYC 480	Honors General Principles (3)	
SOC 300	Introductory Sociology (3)	
SOC 301	Social Problems (3)	
SOC 302	Introduction to Social Research Methods (3)	
SOC 310	Marriage and the Family (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	
SOC 335	Sociology of Aging (3)	
SOC 341	Sex and Gender in the U.S. (3)	
SOC 343	Women and Social Action (3)	
SOC 344	Sociology of Women's Health (3)	
SOC 345	Global Women's Issues (3)	
or WGS 302	Global Women's Issues (3)	
SOC 375	Introduction to Community Development (3)	
SOC 480	Introductory Sociology - Honors (3)	
WGS 300	Introduction to Women and Gender Studies (3)	
Total Units:		**18**

[1]Select courses from at least three areas.

The Interdisciplinary Studies: Social and Behavioral Sciences Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate how societies and social groups operate.
- demonstrate an understanding of the theories and methods employed in the social and behavioral sciences.
- apply critical thinking skills in evaluating sociological, historical, and psychological phenomena.

Career Information

Students who complete this degree pattern will be well-suited to pursue careers in business, social work, criminal justice, law, politics, and education.

Interdisciplinary Studies (INDIS) Courses

INDIS 240 Service Learning Component

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Enrollment Limitation: This is a service learning component that is linked to designated service learning courses. Students must be co-enrolled in a designated service learning course, and the prerequisites of that course must be met. Consultation with the instructor is required prior to enrollment and will generally take place during the first week of class.
General Education: AA/AS Area III(b)

This is an one-unit service learning course that can be added only to specific classes that will be designated in the Schedule of Classes. Students must be co-enrolled in a designated service learning course, and the prerequisites of that course must be met. Consultation with the instructor is required prior to enrollment and will generally take place during the first week of class. This course is designed to provide students with civic activities related to their coursework and will allow students to take an experiential approach to learning practical applications of course concepts. It can be added to existing classes in a variety of disciplines.

INDIS 313 Freshman Seminar

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(b)

This course will assist new college students in achieving academic success. Topics covered will include academic language and culture as they relate to a major, types of cultural wealth, the value and demands of a college education, problem solving strategies, the use of technology in education, academic integrity, campus resources and services, as well as learning life skills that will be applicable to both during college and life after college. The course will introduce students to one or more academic disciplines or areas of study, and discuss the academic and professional expectations and experiences of those disciplines.

INDIS 340 Service Learning Component

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Enrollment Limitation: This is a service learning component which is linked to designated service learning courses. Students must be co-enrolled in a designated service learning course, and the prerequisites of that course must be met. Consultation with the instructor is required prior to enrollment and will generally take place during the first week of class.

Transferable: CSU
General Education: AA/AS Area III(b)

This is an one-unit service learning course that can be added only to specific classes that will be designated in the Schedule of Classes. Students must be co-enrolled in a designated service learning course, and the prerequisites of that course must be met. Consultation with the instructor is required prior to enrollment and will generally take place during the first week of class. This course is designed to provide students with civic activities related to their coursework and will allow students to take an experiential approach to learning practical applications of course concepts. It can be added to existing classes in a variety of disciplines.

INDIS 350 Life and Culture in Study Abroad

Units: 1 - 3
Hours: 18 - 54 hours LEC
Prerequisite: None.
Enrollment Limitation: The student must complete the pre-enrollment process into the Los Rios Community College District Study Abroad program.
Transferable: CSU
General Education: AA/AS Area V(b); AA/AS Area I

This course is designed to allow students to acquire a level of global competence while enrolled in the Los Rios Study Abroad program. Global competence is a continuing process of acquiring specific economic, historical, and geo-political knowledge, which supports the intercultural communication skills and authentic lived experiences that allow a person to function in another culture, and result in attitudes of cultural appreciation and interdependence. While participating in a specific Study Abroad program the student will have opportunities to study and generally survey the host country's historical, cultural, and geopolitical influences, as well as the societal structures, to develop an understanding and appreciation of the host culture as different from U. S. American culture. Students may find information about the pre-enrollment meetings at the Study Abroad website, located at http://www.scc.losrios.edu/studyabroad/.

INDIS 351 Italian Life and Culture in Study Abroad

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: The student must complete the pre-enrollment process in the Los Rios Community College District Study Abroad program.
General Education: AA/AS Area V(b); AA/AS Area I

This course is designed to allow students to acquire a level of global competence with an emphasis on Italian life and culture while enrolled in the Los Rios Study Abroad program. Global competence is a continuing process of acquiring specific economic, historical, and geo-political knowledge, which supports the intercultural communication skills and authentic lived experiences that allow a person to function in another culture and result in attitudes of cultural appreciation and interdependence. While participating in a specific Study Abroad program the student will have opportunities to study and generally survey the host country's historical, cultural, and geopolitical influences, as well as the societal structures, to develop an understanding and appreciation of the host culture as different from U. S. American culture. Students may find information about the pre-enrollment meetings at the Study Abroad website, located at http://www.scc.losrios.edu/studyabroad/.

INDIS 352 French Life and Culture in Study Abroad

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: The student must complete the pre-enrollment process into the Los Rios Community College District Study Abroad program.
Transferable: CSU
General Education: AA/AS Area V(b); AA/AS Area I

This course is designed to allow students to acquire a level of global competence, with an emphasis on French Life and Culture, while enrolled in the Los Rios Study Abroad program. Global competence is a continuing process of acquiring specific economic, historical, and geo-political knowledge, which support the intercultural communication skills and authentic lived experiences that allow a person to function in another culture, and result in attitudes of cultural appreciation and interdependence. While participating in a specific Study Abroad program the student will have opportunities to study and generally survey the host country's historical, cultural, and geopolitical influences, as well as the societal structures, to develop an understanding and appreciation of the host culture as different from U. S. American culture. Information about the pre-enrollment process can be found on the Study Abroad webpage.

INDIS 353 Spanish Life and Culture in Study Abroad

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: This course is only available to students participating in Study Abroad programs in Spain and is therefore not available to all students during open enrollment. The student must complete the pre-enrollment process in the Los Rios Community College District Study Abroad program.
Transferable: CSU
General Education: AA/AS Area V(b); AA/AS Area I

This course is designed to allow students to acquire a level of global competence, with an emphasis on Spanish life and culture, while enrolled in the Los Rios Study Abroad program. Global competence is a continuing process of acquiring specific economic, historical, and geo-political knowledge, which support the intercultural communication skills and authentic lived experiences that allow a person to function in another culture and result in attitudes of cultural appreciation and interdependence. While participating in a specific Study Abroad program the student will have opportunities to study and generally survey the host country's historical, cultural, and geopolitical influences, as well as the societal structures, to develop an understanding and appreciation of the host culture as different from U. S. American culture. Students may find information about the pre-enrollment meetings at the Study Abroad website, located at http://www.scc.losrios.edu/studyabroad/.

INDIS 370 Introduction to Science Technology Engineering and Math (STEM)

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: LIBR 318
Transferable: CSU

This course introduces the STEM field from a local and global perspective through guest speakers, discussions, small research projects, and a culminating presentation. As a central theme to the course, students will investigate the challenges facing individuals from underrepresented groups in STEM as defined by the National Science Foundation. Students will then generate an individualized plan for pursuing their particular STEM emphasis of choice. This plan will consist of elements of a basic education plan, a reflection of their unique sociocultural experiences, specific study skills strategies, and STEM skills analysis and strategies for improvement. The student will be given an opportunity to apply the practices outlined in their plan through a sampling of a number of STEM-related courses (through guest lectures, etc.). This course is not open to students who completed the topic under INDIS 499.

INDIS 371 Skills Practice in Science Technology Engineering and Math (STEM)

Units: 1.5
Hours: 18 hours LEC; 27 hours LAB
Prerequisite: INDIS 370 with a grade of "C" or better
Transferable: CSU

This course introduces the STEM field from a hands-on learning perspective. Based on a student's unique STEM-Skill profile, they will generate an individualized plan to address a particular STEM industry need. This plan will consist of an identification of that need and a specific engineered solution to it. In lecture, students will work on improving their STEM-Skills (spatial ability, proportional reasoning, pitch pattern perception, etc.). In lab, students will apply the steps outlined in their plan via hands-on experience in the campus Makerspace. These experiences will include an orientation and use of the equipment in the Makerspace lab in the generation of a final product. This course is not open to students who completed the topic under INDIS 499.

INDIS 372 Numerical Problem Solving in Science Technology Engineering and Math (STEM)

Units: 1.5
Hours: 18 hours LEC; 27 hours LAB
Prerequisite: INDIS 371 with a grade of "C" or better
Transferable: CSU

This course introduces the STEM field through various data analysis techniques in a hands-on learning environment. As the course progresses, students will explore various STEM fields of study through a problem-solving lens. Specifically, students will use various mathematical or statistical techniques to uncover a particular STEM industry need. They will then use data analysis techniques to develop a plan for addressing this particular need and forecasting its potential effectiveness. Through a hands-on experience in the campus Makerspace facilities students will be given an opportunity to produce some important element of their proposed solution, and then showcase it to others. This course is not open to students who completed the topic under INDIS 499.

INDIS 373 Research Writing Techniques in Science Technology Engineering and Math (STEM)

Units: 1.5
Hours: 18 hours LEC; 27 hours LAB
Prerequisite: INDIS 372 with a grade of "C" or better
Transferable: CSU

This course introduces the STEM field from a research writing and hands-on learning perspective. In this course, students will select a particular STEM industry topic and develop a plan for researching and reporting on this topic. Emphasis will be on producing a publication-themed manuscript based on their hands-on research for this topic. Therefore, the principal focus of the lecture portion of this course will be the research writing process. The lab portion of the course is where students will be given an opportunity to apply the research practices outlined in his or her plan through a hands-on experience in the campus Makerspace facilities. Students will use the research writing approach to guide them through the entire process and produce a manuscript potentially worthy of submittal for publication in a peer reviewed journal. This course is not open to students who completed the topic under INDIS 499.

INDIS 499 Experimental Offering in Interdisciplinary Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

International Studies

The International Studies program will prepare students for transfer to four-year institutions that offer International Studies or related fields.

Students will:

- engage in course work that will broaden their perspective and skills in the field of international relations
- have access to individual counseling for program planning and career development through a mentoring program with the Program Coordinator
- be afforded the opportunity to develop foreign language proficiency

Degrees Offered

A.A.-T. in Global Studies

A.A. in International Studies

Dean Dennis Lee

Coordinator Riad Bahhur

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.A.-T. in Global Studies

This degree provides a multidisciplinary understanding of global issues and the impact of globalization on people, states, and economies around the world. It covers trade, culture, politics, economic development, military interventions, conflict, relations between states, and environmental impacts.

The Associate in Arts in Global Studies for Transfer (AA-T) degree provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):
(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(a) The intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
(b) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Completing the Associate in Arts in Global Studies will prepare students to apply a global understanding to careers in trade, law, diplomacy, food production, education, human rights, development, relief, and marketing. Students completing this degree will be able to continue their studies in any of the above listed areas and to apply a global perspective to any field of study or work.

Degree Requirements

Course Code	Course Title	Units
GLST 301	Introduction to Global Studies	3
GLST 302	Global Issues	3
A minimum of 15 units from the following:		15[1]
Select five courses from a minimum of four of the following areas:		
CULTURE AND SOCIETY		
ANTH 481	Honors Cultural Anthropology (3)	
or ANTH 310	Cultural Anthropology (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 365	Asian Civilization (3)	
GEOGRAPHY		
GEOG 300	Physical Geography: Exploring Earth's Environmental Systems (3)	
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes (3)	
GEOG 320	World Regional Geography (3)	
ECONOMICS		
ECON 302	Principles of Macroeconomics (3)	
ECON 304	Principles of Microeconomics (3)	
POLITICS		
POLS 302	Comparative Politics (3)	
POLS 480	Introduction to International Relations - Honors (3)	
or POLS 310	Introduction to International Relations (3)	
HUMANITIES		
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
PHIL 352	Introduction to World Religions (3)	
WGS 302	Global Women's Issues (3)	
Total Units:		**21**

[1]Students are encouraged to include a foreign language as part of their Global Studies program. While it is not required to complete this degree, many transfer institutions include a foreign language proficiency as part of their global studies degrees.

The Associate in Arts in Global Studies for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer

Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- formulate a broad and cohesive understanding of global dynamics, issues, and events and incorporate that knowledge into their daily life and career.
- evaluate their role as a member of a global network of interdependent people and societies.
- analyze various multidisciplinary approaches that explain the causes and consequences of globalization.
- analyze local and regional societal, economic, political, and environmental issues within a global context.

Associate Degrees

A.A. in International Studies

The major consists of a core of 29.5-33 units, which satisfy university transfer requirements. Elective courses allow students to pursue interests in languages, culture, business, philosophy, history, fine arts, literature, and other studies. Students who undertake the ISP major will prepare for transfer to universities that offer International Studies Majors or related fields; engage in course work that will broaden their perspective and skills in the field of international relations; have access to individual counseling for program planning and career development through a mentoring program with the Program Director; and be afforded the opportunity to develop foreign language proficiency.

Recommended High School Preparation: Standard college preparatory program.

Four Year Transfer Information: UC/CSU systems require standard/basic preparatory course work prior to transfer. The ISP core courses (30 units) are designed to meet articulation and transferability to International Studies, International Relations, and International Business major requirements.

Degree Requirements

Course Code	Course Title	Units
ANTH 310	Cultural Anthropology (3)	3
or ANTH 481	Honors Cultural Anthropology (3)	
COMM 325	Intercultural Communication	3
ECON 302	Principles of Macroeconomics	3
GEOG 320	World Regional Geography	3
HIST 308	History of World Civilizations, 1500 to Present	3
HIST 311	History of the United States (1865 - Present) (3)	3
or HIST 484	History of the United States - Honors (3)	
IS 494	Topics in International Studies	0.5 -4
POLS 310	Introduction to International Relations (3)	3
or POLS 480	Introduction to International Relations - Honors (3)	
A minimum of 8 units from the following:		8[1]
Foreign Language (two semesters)		
ARABIC 401	Elementary Arabic (5)	
and ARABIC 402	Elementary Arabic (5)	
CANT 412	Intermediate Cantonese (4)	
or CANT 411	Intermediate Cantonese (4)	
or CANT 402	Elementary Cantonese (4)	
or CANT 401	Elementary Cantonese (4)	
FREN 412	Intermediate French (4)	
or FREN 411	Intermediate French (4)	
or FREN 402	Elementary French (4)	
or FREN 401	Elementary French (4)	
GREEK 401	Elementary Modern Standard Greek (4)	
and GREEK 402	Elementary Modern Standard Greek (4)	
ITAL 401	Elementary Italian (4)	
and ITAL 402	Elementary Italian (4)	
JAPAN 412	Intermediate Japanese (4)	
or JAPAN 411	Intermediate Japanese (4)	
or JAPAN 402	Elementary Japanese (4)	
or JAPAN 401	Elementary Japanese (4)	
KOREAN 402	Elementary Korean (4)	
and KOREAN 401	Elementary Korean (4)	
MAND 412	Intermediate Mandarin (4)	
or MAND 411	Intermediate Mandarin (4)	
or MAND 402	Elementary Mandarin (4)	
or MAND 401	Elementary Mandarin (4)	
PRSIAN 402	Elementary Persian (4)	
and PRSIAN 401	Elementary Persian (4)	
PNJABI 401	Elementary Punjabi (4)	
and PNJABI 402	Elementary Punjabi (4)	
RUSS 402	Elementary Russian (4)	
or RUSS 401	Elementary Russian (4)	
or RUSS 411	Intermediate Russian (4)	
or RUSS 412	Intermediate Russian (4)	
TGLG 402	Elementary Tagalog (4)	
and TGLG 401	Elementary Tagalog (4)	
VIET 402	Elementary Vietnamese (4)	
and VIET 401	Elementary Vietnamese (4)	
Total Units:		**29.5 - 33**

[1]Student must choose only 1 language to fulfill the 8 unit requirement.

The International Studies Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate, examine, and explain the role of the individual and society within the context of global interdependence.
- formulate a critical understanding of social, political, and economic global issues and problems within a global context that is relevant to local experience.
- evaluate, analyze, and critique various social science and humanities perspectives that explain human and environmental history in a global context.
- investigate, analyze, and describe the causes and consequences of economic, political, and cultural globalization through a variety of social science perspectives.
- detect, analyze, and discuss human difference, including difference based on socio-economic, political, cultural, and geographic status.
- investigate, analyze, and discuss the effects of power imbalance in social and political contestation, historically and contemporaneously, with a focus on the experiences of actors who wield relatively less power in specific global contexts.
- demonstrate basic oral and writing skills in a second language.

Career Information

The International Studies degree is designed to facilitate students' successful transfer to B.A. programs and, in so doing, prepare them for advanced study in a variety of graduate programs. Careers can be found in Foreign Service, Governmental Relations, Public Affairs, International Trade, Civil Service, Lobbying, Law, Fiscal Analysis, Teaching, Non-Governmental Organizations, Language Specialization, International Advocacy, and International Consultancy.

International Studies (IS) Courses

IS 494 Topics in International Studies

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Transferable: CSU

This course provides a seminar setting in which students can study and discuss regional and global issues in international studies with faculty from a variety of disciplines. Specific regions (e.g., Latin America, Africa, Asia, the Middle East, North America, Europe) are addressed topically. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions. This course is formerly known as SOCSC 493.

Industrial Maintenance Mechanic Technician

The Industrial Maintenance Mechanic Technology program provides entry level instruction in the installation, repair, and maintenance of a wide range of machinery found in the food processing, advanced manufacturing, and product distribution industries. The entry level skills covered include safety training and OSHA-10 Course Completion Certification, fundamentals of mechanical and electrical systems, industrial production equipment maintenance and repair, industrial process control programming, industrial robotic programming, maintenance and welding. These entry level skills are learned in both traditional lecture classes and hands-on training in sophisticated training laboratories. Effective writing, verbal communication, electronic communication, mechanical calculations, and computer skills are emphasized across the curriculum.

Dean Andrea Gaytan

Department Chair Richard Gentry

Email gentryr@scc.losrios.edu

CNC Machining (CNC) Courses

CNC 270 Fundamentals of Computer Numerical Control (CNC)

Units: 2
Hours: 25 hours LEC; 33 hours LAB
Prerequisite: None.

This course will prepare students with the introductory skills to operate a Computer Numerical Control (CNC) machine. Students will learn to set up, program, and operate CNC machinery. Instruction includes an overview of the machining process, metrology, inspection, and blueprint reading. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

CNC 272 Applied Computer Numerical Control (CNC)

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: CNC 270 with a grade of "C" or better

This course will give students the skills, knowledge, and training to setup and operate a Computer Numerical Control (CNC) milling machine. Students will learn milling machine setup, CNC programming (coding), tooling, editing, and program debugging. Students will also learn skills needed for this industry such as blue print reading and geometric dimensioning and tolerancing. The order of operation will be taught as a skill development. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

CNC 299 Experimental Offering in CNC Machining

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

CNC 499 Experimental Offering in CNC Machining

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Industrial Maintenance Mechanic Technician (IMMT) Courses

IMMT 120 Technical Documentation and Communication

Units: 2
Hours: 36 hours LEC
Prerequisite: None.

This course provides the student with basic workplace skills needed to enter the workforce as an industrial maintenance mechanic technician. Units of instruction include technical writing, digital form comprehension, communication skills, writing e-mail messages, Internet websites, critical thinking, problem solving, and conflict resolution. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

IMMT 130 Technical Calculations

Units: 2
Hours: 36 hours LEC
Prerequisite: None.

This course focuses on building mathematical skills specific to the industrial maintenance mechanic trades; problem solving using metric (SI) units and English and metric unit conversions; solution of word problems involving length, area, volume, weight, strength of materials, work, power, energy, and efficiencies; exponents; problem solving using graphs and tables; algebraic solutions to applied problems. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

IMMT 140 OSHA 10 General Safety

Units: 0.5
Hours: 12 hours LEC
Prerequisite: None.

This class focuses on the training required for the OSHA 10-Hour General Industry card. Training includes safety policies, procedures, standards, and general industry safety and health

principles. Topics for this course will include US Department of Labor's Introduction to Occupational Safety and Health Administration (OSHA), Walking and Working Surfaces, Electrical Hazards, Hazardous Materials, Personal Protective Equipment, Machine Guarding, and Hazard Communication training modules. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

IMMT 220 Industrial Mechanics I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: IMMT 120, 130, and 140 with grades of "C" or better

This course is designed to introduce the student to the theoretical and practical applications of basic mechanical systems utilized in the industrial mechanical industry. Additional studies including plant safety, hand and power tool fundamentals, blueprint reading, principles of power transmission, properties of lubricants, shaft and coupling alignment, and conveyor systems. Components of this course will be offered online.
Students will need to have access to a computer, the Internet, and have some familiarity with a computer. This course was formerly known as IMMT 121.

IMMT 230 Industrial Electricity I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: IMMT 120, 130, and 140 with grades of "C" or better

This course provides instruction in power and control circuits and devices used the industrial mechanical industry. Units of instruction include a study of electron theory, magnetism, induction, alternating current, direct current, resistance, capacitance, transformers, electric motors, industrial equipment wiring diagrams, and electrical troubleshooting. Students will practice using electrical meters and test instruments in the laboratory. Electrical safety practices will also be covered. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

IMMT 240 Industrial Fluid Power I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: IMMT 120, 130, and 140 with grades of "C" or better

This course provides instruction in the principles of fluid power, hydraulic, pneumatic, and compressed air systems. Laboratory activities include operation, testing, maintenance, and troubleshooting of hydraulic, pneumatic, and compressed air systems. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

IMMT 250 Industrial Control Systems I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: IMMT 120, 130, and 140 with grades of "C" or better

This course provides instruction in the fundamentals and programming of Programmable Logic Controls (PLC) and Variable Frequency Drives (VFD). Additional studies include Servo Divers, Industrial Sensors and Instrumentation. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

IMMT 252 Industrial Control Systems II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: IMMT 120, 130, and 140 with grades of "C" or better

This course provides instruction in the fundamentals, design, programming, operations, and troubleshooting of industrial equipment. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

IMMT 299 Experimental Offering in Industrial Maintenance Mechanic Technician

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

IMMT 499 Experimental Offering in Industrial Maintenance Mechanic Technician

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Journalism

The Journalism program provides coursework and hands-on training for students seeking careers as media professionals or seeking to update their media skills. News writing, sports reporting, photojournalism, and podcasting are among the areas the Journalism program supports.

Degrees and Certificates Offered

A.A.-T. in Journalism

A.A. in Journalism

Multimedia News Specialist Certificate

Visual Journalism Certificate

Dean Marci Selva

Department Chair Randy Allen

Phone (916) 558-2326

Email AllenR@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Journalism

The Associate in Arts in Journalism for Transfer (AA-T) can provide students with the foundational knowledge necessary for transfer to a California State University (CSU). The Associate in Arts in Journalism for Transfer (AA-T) offers students the opportunity to take courses in media theories, news writing and reporting, Associated Press style, and writing for publication. It is designed to provide a seamless transfer pathway for students interested in pursuing a journalism degree in the California State University (CSU) system.

Upon successful completion of the degree requirements, students will be guaranteed admission to the CSU system with junior status and will not have to repeat lower division coursework. Students are encouraged to meet with a counselor to develop their educational plans as degree options and general education requirements vary for each university.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
JOUR 300	Newswriting and Reporting	3
JOUR 310	Mass Media and Society (3)	3
or COMM 351	Mass Media and Society (3)	
or ENGWR 384	Mass Media and Society (3)	
JOUR 410	College Media Production I	3
A minimum of 3 units from the following:		3
JOUR 360	Photojournalism (3)	
or PHOTO 350	Photojournalism (3)	
PHOTO 380	Multimedia Capture I (3)	
or JOUR 364	Multimedia Capture I (3)	
JOUR 411	College Media Production II (3)	
A minimum of 6 units from the following:		6
COMM 311	Argumentation and Debate (3)	
ECON 304	Principles of Microeconomics (3)	
or ECON 302	Principles of Macroeconomics (3)	
ENGWR 302	Advanced Composition and Critical Thinking (3)	
or ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
PHIL 325	Symbolic Logic (3)	
PHOTO 302	Beginning Digital Photography (3)	
POLS 301	Introduction to Government: United States (3)	
POLS 302	Comparative Politics (3)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
Total Units:		**18**

The Associate in Arts in Journalism for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- write clear and concise stories that adhere to journalistic conventions.
- conduct research and evaluate information using appropriate methods.
- demonstrate an understanding of basic news and feature writing in print, broadcast, and on-line media.
- evaluate his or her own work and that of others for accuracy, fairness, appropriate style, and grammatical correctness.

- produce news and feature articles, photographs, and multimedia packages for publication in a newspaper or on-line publication.
- understand and apply the principles of the First Amendment and other laws appropriate to professional practice.
- apply ethical principles in pursuit of truth, accuracy, fairness, and diversity.
- identify and explain the processes, elements, history, theory, and effect of modern mass media in society.

Career Information

Career opportunities for students who have earned Bachelor's degrees in Journalism include but are not limited to: news reporter, news editor, broadcast news writer, broadcast news producer, on-line news editor, on-line news producer, advertising copy writer, and public relations representative. Some careers may require additional training.

Associate Degrees

A.A. in Journalism

The Journalism A.A. degree is for students who have a goal of becoming media professionals, for which a degree is now expected. Some students pursuing this degree are non-CSU transfers who plan to major or minor in journalism at a four-year university and can complete lower-division major requirements through the associate degree. Other students are re-entry students with four-year degrees and want to add an associate degree in journalism to their resume so they can obtain multimedia skills, which are a necessity in today's journalism. Other re-entry students desire a journalism A.A. that will provide them with the skills to work in journalism. A major in journalism offers students the opportunity to take courses in media theories, news writing and reporting, AP style, and writing for publication, which readies them for the following courses that offer hands-on experience in three award-winning, student-produced publications: the Express, a biweekly print newspaper; Mainline, a magazine published once a semester; and saccityexpress.com, the online news publication. The Journalism degree prepares students for university-level studies in Journalism and leads to entry-level employment and careers in print, broadcast, and online news media.

Degree Requirements

Course Code	Course Title	Units
JOUR 300	Newswriting and Reporting	3
JOUR 302	Style for Media Writers	1
JOUR 310	Mass Media and Society (3)	3
or COMM 351	Mass Media and Society (3)	
or ENGWR 384	Mass Media and Society (3)	
JOUR 410	College Media Production I	3
A minimum of 9 units from the following:		9
DDSN 321	Print and Multimedia Publication Design I (3)	
JOUR 320	Race and Gender in the Media (3)	
JOUR 340	Writing for Publication (3)	
or ENGWR 330	Writing for Publication (3)	
JOUR 360	Photojournalism (3)	
or PHOTO 350	Photojournalism (3)	
PHOTO 380	Multimedia Capture I (3)	
or JOUR 364	Multimedia Capture I (3)	
PHOTO 381	Multimedia Capture II (3)	
or JOUR 365	Multimedia Capture II (3)	
JOUR 403	College Magazine Production I (3)	
JOUR 411	College Media Production II (3)	
JOUR 412	College Media Production III (3)	
JOUR 413	College Media Production IV (3)	
Total Units:		**19**

The Journalism Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- write clear and concise stories that adhere to journalistic conventions.
- conduct research and evaluate information using appropriate methods.
- demonstrate an understanding of basic news, feature writing, and reporting in print and on-line media.
- evaluate his or her work and that of others for accuracy, fairness, appropriate style, and grammatical correctness.
- produce news and feature articles, photographs, and multimedia packages for publication in a newspaper, magazine, or on-line publication.
- understand and apply the principles of the First Amendment and other laws appropriate to professional practice.
- apply ethical principles in pursuit of truth, accuracy, fairness, and diversity.
- identify and explain the processes, elements, history, and theory of modern mass media in society and how it influences society.
- demonstrate an understanding of the fundamentals of mass media theories, concepts. and practices as they relate to gender, ethnicity, and class constructs.

Career Information

This program gives students the opportunity to prepare for entry-level positions as print and online writers, reporters, copy editors, photographers, videographers, pod-casters, and designers for online media, broadcast stations, newspapers, newsletters, magazines, or businesses and organizations with websites.

Certificates of Achievement

Multimedia News Specialist Certificate

A certificate as a Multimedia News Specialist offers students the opportunity to take courses in media theories, news writing and reporting, Associated Press style, and writing for publication, which readies them for the following courses that offer hands-on experience in three award-winning, student-produced publications: the Express, a biweekly print newspaper; the Express daily online edition; and Mainline, a magazine published once a semester. The certificate prepares students for employment opportunities that require knowledge of and skills in producing print, broadcast, and online media.

Certificate Requirements

Course Code	Course Title	Units
JOUR 300	Newswriting and Reporting	3
JOUR 302	Style for Media Writers	1
JOUR 310	Mass Media and Society (3)	3
or ENGWR 384	Mass Media and Society (3)	
or COMM 351	Mass Media and Society (3)	
JOUR 360	Photojournalism (3)	3
or PHOTO 350	Photojournalism (3)	
A minimum of 12 units from the following:		12
DDSN 311	Digital Layout I (3)	
DDSN 321	Print and Multimedia Publication Design I (3)	
PHOTO 400	Digital Imaging (3)	
or DDSN 331	Digital Imaging I (3)	
JOUR 320	Race and Gender in the Media (3)	
JOUR 340	Writing for Publication (3)	
or ENGWR 330	Writing for Publication (3)	
PHOTO 380	Multimedia Capture I (3)	
or JOUR 364	Multimedia Capture I (3)	
JOUR 403	College Magazine Production I (3)	
WEXP 498	Work Experience in (Subject) (1 - 4)	
or JOUR 498	Work Experience in Journalism (0.5 - 4)	
Total Units:		**22**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze content of newspapers, magazines, and online media.
- demonstrate an understanding of basic news, feature writing, and reporting in print and online media.
- evaluate and critique his or her own journalistic work and the work of others.
- apply knowledge of grammar and AP style to create mass media products that conform to journalistic conventions.
- produce news and feature articles and news and feature photographs for publication in a newspaper, magazine, or online publication.
- apply principles of audience and journalistic ethics to his or her writing and photography, especially as they relate to gender, ethnicity, and culture.
- demonstrate understanding of the fundamentals of mass media theories, concepts, and practices as they relate to gender, ethnicities, and cultural constructs.

Career Information

The Multimedia News Specialist certificate is geared for students who need to develop media skills as a component of their existing jobs or want to acquire media skills as an opportunity to advance. The certificate is meant to train vocational students for work on print or online publications at a business, organization, or government agency. Students in this category may be, or want to become, responsible in their job duties for business newsletters, company web sites, or public relations outreach within organizations. Students pursuing a certificate often are not interested in an exclusive media career but are seeking media skills to enhance their present job skills. They typically are not students who desire professional media careers. This certificate gives students the opportunity to gain skills as print and multimedia editors, writers, reporters, copy editors, photographers and designers on a company's or organization's online media web site, newsletter, or trade magazine.

Visual Journalism Certificate

The Visual Journalism certificate provides students the opportunity to fully prepare themselves for entry-level positions as multimedia photographers in the journalism field. Students will complete courses in both Journalism and Photography with an emphasis on building a multimedia journalistic portfolio.

Recommended High School Preparation: Courses in art, English, journalism, basic photography, and graphic arts.

Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies) digital print materials fees may be required. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Certificate Requirements

Course Code	Course Title	Units
JOUR 300	Newswriting and Reporting	3
JOUR 310	Mass Media and Society (3)	3
or COMM 351	Mass Media and Society (3)	
or ENGWR 384	Mass Media and Society (3)	
JOUR 360	Photojournalism (3)	3
or PHOTO 350	Photojournalism (3)	
JOUR 364	Multimedia Capture I (3)	3
or PHOTO 380	Multimedia Capture I (3)	
PHOTO 280	Portfolio Development I	2 -4
PHOTO 302	Beginning Digital Photography	3
PHOTO 312	Intermediate Digital Photography	3
Total Units:		**20 - 22**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe technical and aesthetic qualities of successful photojournalistic photographs.
- demonstrate a thorough knowledge of current computer software and digital imaging skills as they apply to photojournalism.
- produce photographs using various digital camera methods.
- create a portfolio and related materials for employment.
- demonstrate an understanding of and proficiency in multimedia storytelling.
- analyze content of newspapers, magazines, and online media.
- produce news and feature photographs and multimedia content for publication in a newspaper, magazine, or online publication.
- apply principles of audience and journalistic ethics to his or her photography/multimedia content, especially as they relate to gender, ethnicity, and culture.
- demonstrate understanding of the fundamentals of mass media theories, concepts, and practices as they relate to gender, ethnicity, and cultural constructs.
- demonstrate understanding of journalistic writing style and reporting.

Journalism (JOUR) Courses

JOUR 300 Newswriting and Reporting

Units: 3
Hours: 54 hours LEC
Prerequisite: JOUR 302 with a grade of "C" or better or may be taken concurrently.
Transferable: CSU
C-ID: C-ID JOUR 110

This is a beginning course in newswriting and reporting. It provides instruction and practice in news reporting and fundamentals of news writing, including analyses of news stories and different types of stories in newspapers and magazines. The course concentrates on news leads and simple news story types, organization and structure of news and feature stories, and the language and style of journalism.

JOUR 302 Style for Media Writers

Units: 1
Hours: 18 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU

This course provides a review of English grammar for writers who seek careers in the mass media. Students will review basic grammar, spelling, punctuation, and Associated Press style, focusing on their use in online and print media.

JOUR 310 Mass Media and Society

Same As: COMM 351 and ENGWR 384
Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 51 or ESLW 310 with a grade of "C" or better; or placement into ENGWR 101 or ESLW 320 through the assessment process
Advisory: ENGWR 101 or ESLW 320 with a "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D4; IGETC Area 4G
C-ID: C-ID JOUR 100

This is an interdisciplinary course exploring aspects of communication and the impact of mass media on the individual and society. The survey includes basic communication models, books, magazines, newspapers, recordings, movies, radio, television, advertising, public relations, the Internet, theories of communication, relationships between mass media and business and government, and processes and effects from a social science perspective. Credit may be awarded for only one section of either COMM 351, ENGWR 384, or JOUR 310.

JOUR 320 Race and Gender in the Media

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4

This multi-media course is an overview of print, broadcast and Internet news, and entertainment media in the U.S. from World War I to the present. Using readings from selected texts, old newsreels, clips from movies, radio and television broadcasts, and Internet selections, as well as period literature, students will analyze and debate the changes in media with particular focus on social class, gender, and ethnicity. Critical thinking will be emphasized in this course.

JOUR 340 Writing for Publication

Same As: ENGWR 330
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better or placement through the assessment process.
Transferable: CSU

This is an introductory course in writing nonfiction for publication. Emphasis will be on developing a saleable article for magazines, newspapers, or online media sources; finding ideas; analyzing publications; writing a query letter; researching and interviewing; and organizing, writing, and illustrating an article. Credit may be awarded for ENGWR 330 or JOUR 340, but not for both.

JOUR 350 Writing for Broadcasting/ Podcasting

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better.
Transferable: CSU

This course covers the theory and technique of writing for the broadcast media. It includes reporting for radio and television news, as well as online media, writing commercials, and public service programming, and an introduction to production techniques. The course is recommended for students who plan to work in broadcasting, instructional media, and related fields.

JOUR 360 Photojournalism

Same As: PHOTO 350
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-shoot cameras are not allowed.
Advisory: PHOTO 312 with a grade of "C" or better
Transferable: CSU
C-ID: C-ID JOUR 160

This course provides instruction in photojournalism and magazine techniques in photography. Students will study features, environmental portraits, sports, spot news, and the photo essay styles of journalistic photography. Students will also capture and use audio to complete multimedia projects. Students will photograph or capture multimedia stories for both online and print campus publications (The Express, Mainline magazine, etc.) to complete assignments for their final portfolios. The course includes lectures, visual presentations, speakers, a required field trip to The Sacramento Bee or another media outlet, and lab time. Students will provide their own adjustable camera and related materials. Credit may be earned for PHOTO 350 or JOUR 360, but not for both.

JOUR 364 Multimedia Capture I

Same As: PHOTO 380
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU
C-ID: C-ID JOUR 120

This course is an introduction to the basic creative concepts and technical elements of capturing video, audio, and still images to create documentary style multimedia content. Students will explore the creative and technical possibilities of merging these three media and various software used to edit this material. Students will receive practical experience in capturing and editing audio, video, and still images with image editing software. Students will complete a final multimedia project and must supply at least one of the following to complete the course: a video camera or an adjustable still camera in either film or digital formats. Students will also take a field trip to The Sacramento Bee or a similar media outlet. The course includes lectures, visual presentations, and lab time. Credit may be earned for JOUR 364 or PHOTO 380, but not for both.

JOUR 365 Multimedia Capture II

Same As: PHOTO 381
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: JOUR 364 or PHOTO 380 with a grade of "C" or better; equivalent or technical competency determined by department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is designed to expand on the creative concepts and technical elements of capturing video, audio, and still images to create advanced documentary style multimedia content. Students will study advanced techniques in capturing and editing audio, video, and still images. Students will continue to advance their skills with image editing software to complete their final projects. Students must supply at least one of the following to complete the class: a video camera or an adjustable still camera in either film or digital formats. The course includes lectures, visual presentations, and lab time. Credit may be earned for JOUR 365 or PHOTO 381, but not for both.

JOUR 403 College Magazine Production I

Units: 3
Hours: 54 hours LEC
Prerequisite: JOUR 302 with a grade of "C" or better or concurrent enrollment.
Transferable: CSU

This is a course in which students produce a non-fiction, journalistic college magazine. This course is designed for students interested in writing, graphics, page design, art, photography, or editing.

JOUR 407 College Magazine Production II

Units: 3
Hours: 54 hours LEC
Prerequisite: JOUR 302 and 403 with grades of "C" or better
Transferable: CSU

This course builds on the experience gained in JOUR 403. During this second-semester course, instruction in leadership is provided for students who function as editors and manage a staff that produces a non-fiction, journalistic college magazine. This course is designed for students interested in managing a non-fiction publication with writing, graphics, page design, art, photography, and editing.

JOUR 408 College Magazine Production III

Units: 3
Hours: 54 hours LEC
Prerequisite: JOUR 407 with a grade of "C" or better
Transferable: CSU

This course builds on the experience gained in JOUR 403 and JOUR 407. Instruction in leadership is provided for students who function in top leadership positions (editor-in-chief and managing editor) for the non-fiction, journalistic college magazine. This course is designed for students interested in

managing the staff who produce the publication using the skills of writing, graphics, page design, art, photography, and editing.

JOUR 410 College Media Production I

Units: 3
Hours: 54 hours LEC
Prerequisite: JOUR 302 with a grade of "C" or better
Corequisite: JOUR 420
Advisory: JOUR 300, JOUR 360, PHOTO 302, and PHOTO 350 with grades of "C" or better
Transferable: CSU
C-ID: C-ID JOUR 130

This course focuses on instruction in writing and producing student news media, primarily the school print newspaper, the Express, a journalistic product for distribution to a college-wide audience. Students will receive instruction in one of the following areas: researching, reporting, and writing articles; taking photographs and participating in photo layouts; editing articles, writing headlines, and planning page layouts in conjunction with editors for print newspaper production. Ethical and legal aspects of communication are also covered. JOUR 420 is the lab component for this course.

JOUR 411 College Media Production II

Units: 3
Hours: 54 hours LEC
Prerequisite: JOUR 302 and 410 with grades of "C" or better
Corequisite: JOUR 421
Transferable: CSU
C-ID: C-ID JOUR 131

During this second-semester course, students learn intermediate writing and production skills to produce the school print newspaper, the Express, a journalistic product for distribution to a college-wide audience. Students will receive instruction in one of the following areas: researching, reporting, and writing intermediate-level articles; taking intermediate-level photographs and participating in photo layouts; assigning and editing intermediate-level articles, writing headlines, and planning page layouts in conjunction with page designers for the print newspaper. Ethical and legal aspects of communication are also covered. JOUR 421 is the lab component for this course.

JOUR 412 College Media Production III

Units: 3
Hours: 54 hours LEC
Prerequisite: JOUR 302 and 411 with grades of "C" or better
Corequisite: JOUR 422
Transferable: CSU

During this third-semester course, students will serve in leadership roles as section editors using the school newspaper, the Express, as a practical laboratory. In this course students will serve in leadership roles. Students will learn to conduct editorial meetings in which issues are planned; research, assign, and edit assignments of reporters and photographers for publication; and manage production alongside page designers for each issue of the newspaper. Ethical and legal aspects of media communication are also covered. JOUR 422 is the required lab component for this course.

JOUR 413 College Media Production IV

Units: 3
Hours: 54 hours LEC
Prerequisite: JOUR 302 and 412 with grades of "C" or better
Corequisite: JOUR 423
Transferable: CSU

In this course instruction is provided in leadership for students who function as editors in chief and managing editors using the school newspaper, the Express, as a practical laboratory. Students will plan publication issues and manage section editors, reporters, and photographers on staff. Students will learn to lead staff meetings in which they plan the vision and content of issues; research and suggest story ideas to section editors; manage section editors and staff; and manage production of every aspect of each issue of the newspaper. Ethical and legal aspects of communication and media are also covered for students who serve in top leadership roles. JOUR 423 is the required lab component for this course.

JOUR 420 College Media Production Lab I

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: JOUR 302 with a grade of "C" or better
Corequisite: JOUR 410
Transferable: CSU

This lab course helps students improve their beginning writing, editing, photography, design, and computer skills as an addition to their enrollment in college media production (JOUR 410).

JOUR 421 College Media Production Lab II

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: JOUR 302, 410, and 420 with grades of "C" or better
Corequisite: JOUR 411
Transferable: CSU

This lab course helps students build on skills gained in JOUR 410 and JOUR 420. During this second-semester course, students will continue to improve their skills in at least two of the following areas: writing, editing, photography, design, and web production skills as an addition to their enrollment in JOUR 411.

JOUR 422 College Media Production Lab III

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: JOUR 302 and 421 with grades of "C" or better
Corequisite: JOUR 412
Transferable: CSU

This lab course helps students build on experiences gained in JOUR 411. During this third-semester course, section editors will learn leadership skills in how to manage news content and staff. Students will plan publication content and manage reporters and photographers. In addition, online section editors will manage multimedia content providers. Students will research and give assignments to staff; edit and produce publishable pieces for the campus newspapers; and manage a

section of the publication, as an addition to their enrollment in JOUR 412.

JOUR 423 College Media Production Lab IV

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: JOUR 302 or 422 with a grade of "C" or better; and JOUR 412 with a grade of "C" or better
Corequisite: JOUR 413
Transferable: CSU

This lab course helps students build on experiences gained in JOUR 412 and JOUR 422. During this fourth-semester course, students who are top leadership (editors in chief, managing editors, web managers) will learn skills in how to lead and manage section editors, photographers, and reporters. Additionally, online leadership will lead podcasters and videographers. Students will oversee the vision and content of their respective publications; research and suggest story ideas to section editors; and manage production of every aspect of the campus print or online newspaper, as an addition to their enrollment in JOUR 413.

JOUR 495 Independent Studies in Journalism

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered journalism courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

JOUR 498 Work Experience in Journalism

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.
Advisory: ENGWR 300 and JOUR 300 with grades of "C" or better
Transferable: CSU
General Education: AA/AS Area III(b)

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to Journalism Major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

JOUR 499 Experimental Offering in Journalism

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Kinesiology

The Kinesiology, Health and Athletics program provides a positive, educational setting in which students can achieve skills for the personal management of life-long health and wellness. Within athletics, an integral part of the total educational process, we strive to promote the mission of the college through student-athlete participation in an integrity-based, collaborative, and equitable athletic program. Sacramento City College's athletic program aims to provide the opportunity for student athletes to realize their full potential both academically and athletically.

Degrees Offered

A.A.-T. in Kinesiology

A.A. in Kinesiology--Exercise Science

A.A. in Kinesiology--Teaching and Coaching

Dean Mitchell Campbell

Department Chair Connie Zuercher

Phone (916) 558-2425

Email CampbeM@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Kinesiology

This Kinesiology program is designed to provide an opportunity for students to complete the lower division coursework required for four-year programs in at least one kinesiology/physical education degree option. This program is for students who plan to transfer to a California State University (CSU). Completion of the CSU General-Breadth or IGETC general education pattern is required. It is highly recommended that students meet with a counselor because the degree options and general education requirements vary for each college/university.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
KINES 300	Introduction to Kinesiology	3
BIOL 430	Anatomy and Physiology	5
BIOL 431	Anatomy and Physiology	5
A minimum of 3 units from the following:		3
Select one course maximum from three of the following areas.		
Aquatics:		
FITNS 442	Swimming III (1)	
or FITNS 440	Swimming I (1)	
or FITNS 441	Swimming II (1)	
or FITNS 443	Swimming IV (1)	
or FITNS 310	Aquatic Fitness I (1)	
or FITNS 444	Swimming V (1)	
Fitness:		
FITNS 331	Boot Camp Fitness (1)	
or FITNS 324	Mat Pilates (1)	
or FITNS 390	Basic Yoga (1)	
or FITNS 381	Weight Training (1)	
or FITNS 336	Plyometrics: Advanced Conditioning (1)	
or FITNS 306	Aerobics: Cardio-Kickboxing (1)	
or FITNS 383	Olympic and Power Weight Lifting (1)	
or FITNS 307	Aerobic Mix (1)	
or FITNS 326	Mat Pilates II (1)	
or FITNS 356	Core Conditioning V: Trim & Tone (0.5 - 1)	
or FITNS 321	Core Conditioning (1)	
or FITNS 343	Spin Bike (1)	
or FITNS 344	Dynamic Fitness Training I (1)	
or FITNS 412	Taekwondo I (1)	
or FITNS 401	Walking I (0.5 - 1)	
or FITNS 402	Running for Fitness II (0.5 - 1)	
Individual Sports:		
PACT 410	Wrestling (1)	
or PACT 330	Boxing (1)	
or PACT 391	Tennis II (1)	

Course Code	Course Title	Units
or PACT 390	Tennis I (1)	
or PACT 351	Golf II (1)	
or PACT 350	Golf I (1)	
Team Sports:		
TMACT 340	Football (1)	
or TMACT 330	Volleyball (1)	
or TMACT 320	Basketball (1)	
or TMACT 302	Soccer - Outdoor (1)	
or TMACT 303	Outdoor Soccer II (1)	
or TMACT 331	Volleyball II (1)	
or TMACT 333	Volleyball III (1)	
or TMACT 304	Outdoor Soccer III (1)	
or TMACT 322	Basketball III (1)	
or TMACT 321	Basketball II (1)	
A minimum of 4 units from the following:		4
BIOL 309	Contemporary Biology Laboratory (1)	
and BIOL 308	Contemporary Biology (3)	
PHYS 350	General Physics (4)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
A minimum of 5 units from the following:		5
CHEM 305	Introduction to Chemistry (5)	
CHEM 309	Integrated General, Organic, and Biological Chemistry (5)	
CHEM 400	General Chemistry I (5)	
Total Units:		**25**

The Associate in Arts in Kinesiology for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify and apply standards required by the profession of choice.
- demonstrate and articulate a statement of values or code of ethics related to the major that reflects his or her respect for different ideas, peoples, and cultures.
- develop an understanding of the uses of technology in kinesiology, physical education, and sports analysis, research, and results.
- demonstrate continued personal and professional development by reviewing current literature, participating in associations, or sharing knowledge and experience with others.
- demonstrate an understanding of human development, both normal and abnormal, and the implications for program design.
- demonstrate an understanding of the basic structure of the human body and how its various systems respond.
- apply knowledge of the human body to develop appropriate fitness programs and fitness assessments to evaluate and analyze program and student success.

Career Information

The Kinesiology degree is designed to facilitate students' successful transfer to the baccalaureate programs. Baccalaureate programs may include, but are not limited to, exercise science, health promotion, physical education, therapeutic exercise and rehabilitation, and exercise and movement science. The Associate in Arts in Kinesiology can provide a foundation for students interested in working in these careers or careers in related fields.

Associate Degrees

A.A. in Kinesiology--Exercise Science

The Kinesiology, Physical Education, Health Education, Mathematics, Nutrition, and Science courses provide a framework around which Kinesiology-Exercise students may structure a program to prepare them for obtaining a degree at a 4 year institution. Additionally, specific elective courses are designed to provide students professional development opportunities as well as to prepare them to pass the exams necessary to become fitness professionals; these courses will allow students the opportunity to seek entry level positions as personal trainers, group exercise instructors, and strength and conditioning instructors, or to seek employment at a fitness center or health club. Students are encouraged to refer to requirements from their designated transfer institution to assist them in planning their specific program of study.

Degree Requirements

Course Code	Course Title	Units
BIOL 430	Anatomy and Physiology	5
BIOL 431	Anatomy and Physiology	5
CHEM 305	Introduction to Chemistry (5)	5
or CHEM 400	General Chemistry I (5)	
HEED 300	Health Science	3
HEED 301	Health and Societal Issues (3)	3
or HEED 353	Healthy Eating, Stress Management, and Weight Control (3)	
or KINES 410	Personal Trainer Certification: Exercise Science & Fitness Assessment (3)	
or KINES 412	Strength and Fitness Certification (3)	

Course Code	Course Title	Units
or KINES 418	Nutrition for Physical Performance (3)	
or KINES 452	Psychology of Sport and Fitness (3)	
or RECR 300	Introduction to Recreation and Leisure Services (3)	
KINES 300	Introduction to Kinesiology	3
STAT 300	Introduction to Probability and Statistics (4)	4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
A minimum of 3 units from the following:		3
FITNS 306	Aerobics: Cardio-Kickboxing (1)	
FITNS 307	Aerobic Mix (1)	
FITNS 310	Aquatic Fitness I (1)	
FITNS 321	Core Conditioning (1)	
FITNS 324	Mat Pilates (1)	
FITNS 326	Mat Pilates II (1)	
FITNS 331	Boot Camp Fitness (1)	
FITNS 336	Plyometrics: Advanced Conditioning (1)	
FITNS 337	Boot Camp II (0.5 - 1)	
FITNS 343	Spin Bike (1)	
FITNS 344	Dynamic Fitness Training I (1)	
FITNS 345	Dynamic Fitness Training II (1)	
FITNS 349	Spin Bike II (1)	
FITNS 356	Core Conditioning V: Trim & Tone (0.5 - 1)	
FITNS 371	Life Fitness Center Training (0.5 - 1)	
FITNS 372	Life Fitness Strength Training (0.5 - 1)	
FITNS 373	Life Fitness Center Functional Fitness Training (0.5 - 1)	
FITNS 374	Life Fitness Center Cross Training (0.5 - 1)	
FITNS 380	Circuit Weight Training (1)	
FITNS 381	Weight Training (1)	
FITNS 383	Olympic and Power Weight Lifting (1)	
FITNS 385	Weight Training for Competition (1)	
FITNS 387	Weight Training for Speed, Agility, Quickness: Advanced (1)	
FITNS 390	Basic Yoga (1)	
FITNS 392	Yoga (1)	
FITNS 401	Walking I (0.5 - 1)	
FITNS 402	Running for Fitness II (0.5 - 1)	
FITNS 404	Walking III (0.5 - 1)	
FITNS 412	Taekwondo I (1)	
FITNS 440	Swimming I (1)	
FITNS 441	Swimming II (1)	
FITNS 442	Swimming III (1)	
FITNS 443	Swimming IV (1)	
FITNS 444	Swimming V (1)	
PACT 330	Boxing (1)	
PACT 350	Golf I (1)	
PACT 351	Golf II (1)	
PACT 390	Tennis I (1)	
PACT 391	Tennis II (1)	
PACT 393	Tennis III (1)	
PACT 394	Tennis, Doubles (1)	
PACT 410	Wrestling (1)	
TMACT 302	Soccer - Outdoor (1)	
TMACT 303	Outdoor Soccer II (1)	
TMACT 304	Outdoor Soccer III (1)	
TMACT 320	Basketball (1)	
TMACT 321	Basketball II (1)	
TMACT 322	Basketball III (1)	
TMACT 330	Volleyball (1)	
TMACT 331	Volleyball II (1)	
TMACT 333	Volleyball III (1)	
TMACT 340	Football (1)	
TMACT 341	Theory of Football Lab (1)	
Total Units:		**31**

The Kinesiology--Exercise Science Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of human development, both normal and abnormal, and the implications for program design.
- identify and apply standards required by the profession of choice.
- demonstrate an understanding of the basic structure of the human body and how its various systems respond.
- demonstrate oral and written competence in the major field.
- develop and articulate a statement of values or code of ethics related to the major that reflects one's respect for different ideas, peoples, and cultures and an understanding of the responsible uses of technology.
- demonstrate continued personal and professional development by reviewing current literature, participating in associations, or sharing knowledge and experience with others.

Career Information

Most career options require a Bachelor's degree. Once a Bachelor's degree is obtained, career opportunities include teaching, coaching, various recreation positions, various health careers, and athletic administration in elementary and secondary schools and colleges.

A.A. in Kinesiology--Teaching and Coaching

The Kinesiology, Physical Education, Health Education, Mathematics, Nutrition, and Science courses provide a framework around which Kinesiology-Exercise students may structure a program to prepare them for transfer to a four-year institution. Students are encouraged to refer to requirements from their designated transfer institution to assist them in planning their specific program of study.

Degree Requirements

Course Code	Course Title	Units
BIOL 430	Anatomy and Physiology	5
BIOL 431	Anatomy and Physiology	5
CHEM 305	Introduction to Chemistry (5)	5
or CHEM 309	Integrated General, Organic, and Biological Chemistry (5)	
or CHEM 400	General Chemistry I (5)	
HEED 300	Health Science	3
KINES 300	Introduction to Kinesiology	3
KINES 304	Introduction to Sports Management (3)	3
or KINES 412	Strength and Fitness Certification (3)	
or KINES 418	Nutrition for Physical Performance (3)	
or KINES 451	Principles and Theory of Athletic Coaching (3)	
or KINES 452	Psychology of Sport and Fitness (3)	
STAT 300	Introduction to Probability and Statistics (4)	4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
A minimum of 3 units from the following:		3
FITNS 306	Aerobics: Cardio-Kickboxing (1)	
FITNS 307	Aerobic Mix (1)	
FITNS 310	Aquatic Fitness I (1)	
FITNS 321	Core Conditioning (1)	
FITNS 324	Mat Pilates (1)	
FITNS 326	Mat Pilates II (1)	
FITNS 331	Boot Camp Fitness (1)	
FITNS 336	Plyometrics: Advanced Conditioning (1)	
FITNS 337	Boot Camp II (0.5 - 1)	
FITNS 343	Spin Bike (1)	
FITNS 344	Dynamic Fitness Training I (1)	
FITNS 345	Dynamic Fitness Training II (1)	
FITNS 356	Core Conditioning V: Trim & Tone (0.5 - 1)	
FITNS 371	Life Fitness Center Training (0.5 - 1)	
FITNS 372	Life Fitness Strength Training (0.5 - 1)	
FITNS 373	Life Fitness Center Functional Fitness Training (0.5 - 1)	
FITNS 374	Life Fitness Center Cross Training (0.5 - 1)	
FITNS 380	Circuit Weight Training (1)	
FITNS 381	Weight Training (1)	
FITNS 383	Olympic and Power Weight Lifting (1)	
FITNS 385	Weight Training for Competition (1)	
FITNS 387	Weight Training for Speed, Agility, Quickness: Advanced (1)	
FITNS 390	Basic Yoga (1)	
FITNS 392	Yoga (1)	
FITNS 401	Walking I (0.5 - 1)	
FITNS 402	Running for Fitness II (0.5 - 1)	
FITNS 404	Walking III (0.5 - 1)	
FITNS 412	Taekwondo I (1)	
FITNS 440	Swimming I (1)	
FITNS 441	Swimming II (1)	
FITNS 442	Swimming III (1)	
FITNS 443	Swimming IV (1)	
FITNS 444	Swimming V (1)	
PACT 330	Boxing (1)	
PACT 350	Golf I (1)	
PACT 351	Golf II (1)	
PACT 390	Tennis I (1)	
PACT 391	Tennis II (1)	
PACT 393	Tennis III (1)	
PACT 394	Tennis, Doubles (1)	
PACT 410	Wrestling (1)	
TMACT 302	Soccer - Outdoor (1)	
TMACT 303	Outdoor Soccer II (1)	
TMACT 304	Outdoor Soccer III (1)	
TMACT 320	Basketball (1)	
TMACT 321	Basketball II (1)	
TMACT 322	Basketball III (1)	
TMACT 330	Volleyball (1)	
TMACT 331	Volleyball II (1)	
TMACT 333	Volleyball III (1)	
TMACT 340	Football (1)	
TMACT 341	Theory of Football Lab (1)	
A minimum of 2 units from the following:		2
KINES 342	Theory of Baseball (2)	
KINES 346	Theory of Basketball (2)	
KINES 352	Theory of Football (2)	
KINES 354	Theory of Soccer (2)	
Total Units:		**33**

The Kinesiology--Teaching and Coaching Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of human development, both normal and abnormal, and the implications for program design.
- identify and apply standards required by the profession of choice.
- demonstrate an understanding of the basic structure of the human body and how its various systems respond.
- demonstrate oral and written competence in the major field.
- develop and articulate a statement of values or code of ethics related to the major that reflects one's respect for different ideas, peoples, and cultures and an understanding of the responsible uses of technology.
- demonstrate continued personal and professional development by reviewing current literature, participating in associations, or sharing knowledge and experience with others.

Career Information

Most career options require a Bachelor's degree. Once a Bachelor's degree is obtained, career opportunities include teaching, coaching, various recreation positions, various health careers, and athletic administration in elementary and secondary schools and colleges.

Fitness (FITNS) Courses

FITNS 304 Cardio Circuit

Units: 1
Hours: 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed as a cardio circuit form of fitness training. It combines cardio and resistance training equipment in a circuit format. Emphasis will be on timed intervals to train major muscle groups and the cardiovascular system. It will include flexibility and core strengthening.

FITNS 306 Aerobics: Cardio-Kickboxing

Units: 1
Hours: 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course emphasizes execution of the body movements, the mechanics, and the timing of exercises utilized in boxing, circuit training, and aerobics to improve general fitness and body toning. Students will be required to provide hand wraps.

FITNS 307 Aerobic Mix

Units: 1
Hours: 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to help the student develop a balanced physical fitness profile and gain a firm understanding of physical fitness concepts. Class components will emphasize a variety of aerobic activities, calisthenics, resistance exercises, and flexibility.

FITNS 310 Aquatic Fitness I

Units: 1
Hours: 54 hours LAB
Course Family: Aerobic Water Fitness
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to improve the student's fitness level through the use of shallow water aquatic exercises. Specifically, the student should increase muscular strength and endurance, as well as improve flexibility and cardio-respiratory fitness. Additionally, the student will learn about resting and training heart rates, weight management, and injury prevention as it relates to exercise. No swimming skills are needed.

FITNS 321 Core Conditioning

Units: 1
Hours: 54 hours LAB
Course Family: Total Body Sculpting
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course incorporates a variety of activities including exercises with the stability ball, Bosu ball, Pilates mat, and yoga styles of core work to enhance abdominal, lower back, gluteal, and hip strength with toning benefits to the entire body. Appropriate workout attire and shoes are required.

FITNS 324 Mat Pilates

Units: 1
Hours: 54 hours LAB
Course Family: Total Body Sculpting
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This beginning course covers a method of body conditioning that includes a unique system of stretch and strength exercises. Mat Pilates is designed to work with the deepest muscles in the body while creating core strength without pain. The sequence of matwork exercises will strengthen and tone muscles, improve body posture, and increase flexibility and balance while uniting body and mind.

FITNS 326 Mat Pilates II

Units: 1
Hours: 54 hours LAB
Course Family: Total Body Sculpting

Prerequisite: FITNS 324 (Mat Pilates) with a grade of "C" or better. Students will be allowed enrollment in this course by completing a pre-test, which includes satisfactory demonstration of 1st level Pilates exercises.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Mat Pilates II is a 2nd level course developed for the intermediate-level Pilates student. The course will include the basic foundation of mat exercises with the addition of intermediate and advanced level exercises. Routines will include resistance methods of training with focus on development of stronger core muscles.

FITNS 331 Boot Camp Fitness

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed as an intensive boot camp fitness class conducted on campus using indoor and outdoor facilities. Training includes aerobic and anaerobic conditioning, strength and endurance training, and individual and team fitness concept.

FITNS 336 Plyometrics: Advanced Conditioning

Units: 1
Hours: 54 hours LAB
Course Family: High Intensity Training
Prerequisite: None.
Advisory: This course requires that the student participate in various high intensity workouts needed for sport specific training. The student should be able to run, jump and do other exercises at an intermediate or higher level.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Plyometrics is an advanced level conditioning course that will utilize a variety of equipment, training aids, and training methods to promote speed, power, agility, strength, endurance, and flexibility.

FITNS 337 Boot Camp II

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: High Intensity Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed as an advanced boot camp fitness class that is conducted on campus using indoor and outdoor facilities and requires students to participate in various intermediate and high intensity workouts. Training methods may include activities not only related to strength, endurance, and flexibility, but also those requiring speed, power, and agility.

FITNS 343 Spin Bike

Units: 1
Hours: 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a)

Spin Bike is specifically designed for students to improve their cardiovascular and strength levels with low impact on the joints. This course will use basic cycling and fitness drills based on speed, work resistance, and recovery periods. There may be some conditioning techniques done off the bikes as well.Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education.

FITNS 344 Dynamic Fitness Training I

Units: 1
Hours: 54 hours LAB
Course Family: High Intensity Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Dynamic fitness training is a course designed to use cross training and functional movements performed with constantly changing and relatively high intensity intervals. This course emphasizes proper mechanics utilizing body weight resistance and other methodologies. The work out is varied and designed to optimize fitness levels.

FITNS 345 Dynamic Fitness Training II

Units: 1
Hours: 54 hours LAB
Course Family: High Intensity Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is a cross training and constantly changing functional movement course that uses Olympic weight lifting and varied cardiovascular training and conditioning.

FITNS 347 Dynamic Aquatic Fitness Training

Units: 1
Hours: 54 hours LAB
Course Family: Aerobic Water Fitness
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course provides a fast moving, challenging aquatic workout, integrating traditional swim training with the addition of weight-bearing exercises in and out of the pool for complete body strength and cardiovascular conditioning. A swim suit, swim cap, goggles, and running shoes are required.

FITNS 349 Spin Bike II

Units: 1
Hours: 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a)

Spin Bike II is specifically designed for students to continue to improve their cardiovascular and strength levels with low impact exercise on the joints. This course will include an increased level of intensity using cycling workouts based on extended timed workload and recovery periods. Resistance training and core workouts are used off the bike for a total body workout. Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education.

FITNS 356 Core Conditioning V: Trim & Tone

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Total Body Sculpting
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to improve an individual's level of fitness, general appearance, and well-being. This course will concentrate on muscle toning and strength development through various activities, for example, exercises for abdomen and core, hamstrings and quadriceps, buttocks, and the upper body. This course may be offered as an open-entry, open-exit course. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester. ADAPTIVE PHYSICAL EDUCATION ADVISORY: This class has been designated as appropriate for students who will require adaptive physical education.

FITNS 371 Life Fitness Center Training

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Life Fitness Center
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is an open-entry/open-exit course designed to increase cardiovascular endurance, strength, and flexibility through the use of circuit training. A required orientation includes performing an individualized fitness assessment, learning guidelines on accessing fitness, training and wellness information on-line, and discussing how to train safely and efficiently using state-of-the-art equipment. Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education. Grades are Pass/No Pass.

FITNS 372 Life Fitness Strength Training

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Life Fitness Center
Prerequisite: FITNS 371 with a Pass grade.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is an open-entry/open-exit course designed to provide instruction in proper training techniques for increasing muscular strength and endurance, utilizing plate-loaded apparatus, free weights, selectorized weight machines, and Olympic lifting techniques. A required orientation includes an individualized fitness assessment, learning guidelines on accessing fitness, training, and wellness information on-line, and discussing how to train safely and efficiently using state-of-the-art equipment. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester. Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education.

FITNS 373 Life Fitness Center Functional Fitness Training

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Life Fitness Center
Prerequisite: FITNS 371 (Life Fitness Center Training) and 372 (Life Fitness Strength Training) with Pass grades.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is an open-entry/open-exit course designed to provide instruction in functional fitness exercises. Functional fitness exercises are designed to train your muscles to work together and prepare them for daily tasks by simulating movements that individuals might do at home, work, or in sports. FITNS 371 and FITNS 372 with a Pass grade are prerequisites for this class. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester. Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education.

FITNS 374 Life Fitness Center Cross Training

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Life Fitness Center
Prerequisite: FITNS 371, 372, and 373
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is an open-entry, open-exit, course designed to provide instruction in cross training fitness exercises. Cross training fitness programs are designed to help the student balance his or her fitness program by varying the workout routines engaging different muscle groups. Cross training improves overall fitness and helps prevent overuse injuries that are common in single activity programs. Emphasis is placed on the use of multiple aerobic activities (walking, running, biking, elliptical) plus muscular strength and functional fitness exercises. FITNS 371, FITNS 372, and FITNS 373 with a Pass grade are prerequisites for this course. This course is graded Pass/No Pass. Students may enroll in the course up to the fourth week of the semester. Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education.

FITNS 380 Circuit Weight Training

Units: 1
Hours: 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Circuit Weight Training combines machine weight training, some free-weight training, core medicine ball training, body weight training, cardiovascular endurance, muscular

endurance, and flexibility while decreasing body fat. It is a wellness program in which a student, using different muscle groups, will alternate timed lifting with timed recovery.

FITNS 381 Weight Training

Units: 1
Hours: 54 hours LAB
Course Family: Weight Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course provides instruction in weight training and techniques that promote muscular strength and endurance. Proper use of free weights and machines along with safety rules will be discussed. Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education. This course is graded Pass/No Pass.

FITNS 383 Olympic and Power Weight Lifting

Units: 1
Hours: 54 hours LAB
Course Family: Weight Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to introduce Olympic and power weight lifting to students interested in developing overall core strength and conditioning. Lifting techniques such as clean and jerk, snatch, squat, bench press, and deadlift will be taught through lifting progressions. The history of Olympic and power weight lifting and the development of individual lifting programs will be introduced and discussed. This course will be offered as an open-entry/open-exit course. Students may enroll in this open-entry/open-exit course up to the fourth week of the semester. This course is graded Pass/No Pass.

FITNS 384 Weight Training II

Units: 1
Hours: 54 hours LAB
Course Family: Weight Training
Prerequisite: None.
Advisory: FITNS 381 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This physical education course is designed to stress the proper guidelines, principles and techniques of weight lifting and the development of muscular strength and endurance at an intermediate level. The students will design and implement their own weight training program. This course will be offered as an open-entry/open-exit course. Students may enroll in this open-entry/open-exit course up to the fourth week of the semester. Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education. This course is graded Pass/No Pass.

FITNS 385 Weight Training for Competition

Units: 1
Hours: 54 hours LAB
Course Family: Weight Training
Prerequisite: None.
Transferable: UC
General Education: AA/AS Area III(a); CSU Area E2

This course is a strength training program for students who are interested in preparing for competition or increased physical preparedness. It is designed to develop the strength, power, and muscular endurance appropriate for competition or any other physical activity. This course will be offered as an open-entry/open-exit course. Students may enroll in this open-entry/open-exit course up to the fourth week of the semester. This course is graded Pass/No Pass.

FITNS 387 Weight Training for Speed, Agility, Quickness: Advanced

Units: 1
Hours: 54 hours LAB
Course Family: Weight Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is a strength and conditioning program for students interested in improving their physical performance. It is designed to develop a higher level of explosive movements for speed, agility, and quickness appropriate for other activities.

FITNS 390 Basic Yoga

Units: 1
Hours: 54 hours LAB
Course Family: Yoga
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to enhance fitness levels in everyone. It is a complete fitness program to achieve a more limber body, regardless of age, increase physical coordination, improve posture, and improve flexibility. This form of exercise embodies controlled movement, concentration, and conscious breathing.

Adaptive Physical Education Advisory: This class has been designated as appropriate for students who will require adaptive physical education.

FITNS 392 Yoga

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course allows students to explore and develop their yoga practice. Focus for the individual may be on stress reduction and relaxation, for the variety of health benefits a yoga practice offers, including inner harmony, balance, and overall well-being; for spiritual connection and growth; or for stretching and strengthening a variety of muscle groups involved in a yoga practice. This course is designed to assist

any and all of those goals through support and guidance in a safe and nurturing learning environment. Students will be required to purchase a yoga mat.

FITNS 400 Body Fitness (Walking or Jogging)

Units: 1
Hours: 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course promotes physical well-being through physical activity, including but not limited to walking and jogging, to increase cardiovascular fitness, reduce stress and encourage weight control. Attention is given to increasing cardiovascular efficiency, muscular strength, and endurance. The students may be required to use a heart rate monitor for the online course.

FITNS 401 Walking I

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Cardio Fitness
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is a physical education course designed to improve a student's level of fitness, physical appearance, and well being. This course will concentrate on techniques, cardiovascular endurance, muscle strengthening, and flexibility utilizing walking as an activity. Walking workouts use on and off-campus routes. Students will be advised to have proper walking shoes or running shoes. ADAPTIVE PHYSICAL EDUCATION ADVISORY: This course has been designated as appropriate for students who will require adaptive physical education.

FITNS 402 Running for Fitness II

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Cardio Fitness
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is a physical education course that is designed to instruct the student in the basic fundamentals and techniques of running. The course will concentrate on improving the physical capacity and efficiency of the body with the emphasis on development of muscular and cardiovascular endurance and organic power, as influenced by such factors as body type, diet, health status, rest, and genetic potential. This course may be taken one time for credit.

FITNS 404 Walking III

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course promotes physical fitness with the primary activity of walking in environments of various intensity including, but not limited to, walking hills, speed intervals, and increased resistance (weighted devices and/or incline). The focus is on increasing cardiovascular efficiency, endurance, and muscular strength.

FITNS 407 Walking II

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This physical education course is designed to promote and improve the student's level of fitness, physical appearance, and well being as the foundation was established in Walking I. This course will concentrate on improving walking techniques, cardiovascular endurance, muscle strengthening, and flexibility utilizing walking as an activity. Walking workouts use on- and off-campus routes. Students will be advised to have proper walking shoes or running shoes.

FITNS 412 Taekwondo I

Units: 1
Hours: 54 hours LAB
Course Family: Martial Arts
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course provides students with a basic knowledge of Taekwondo and its tradition. Proper technique, such as stance and postures, kicks, punches, blocks, poomsae (a series of defending and attacking movements), etiquette, and physical fitness, will also be included.

FITNS 440 Swimming I

Units: 1
Hours: 54 hours LAB
Course Family: Swimming
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Non-swimmers will learn basic water acclimation, water safety, and how to perform basic swimming skills. Students will learn the front and back float, front and back streamline glide, and introductory skills in freestyle stroke, backstroke, and proper breathing. This course is graded Pass/No Pass.

FITNS 441 Swimming II

Units: 1
Hours: 54 hours LAB
Course Family: Swimming
Prerequisite: Students must demonstrate comfort and confidence in the water and in their ability to safely complete 25yds of freestyle stroke.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to teach mastery of basic water adjustment skills, floats, glides, freestyle and backstroke

techniques to beginning swimmers with limited skills. It is appropriate for those who are uncomfortable in deep water or those who need to refine their ability to swim 25 yards without stopping. A required orientation includes explanation of class rules, procedures, safety, course objectives, and methods of instruction. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester.

FITNS 442 Swimming III

Units: 1
Hours: 54 hours LAB
Course Family: Swimming
Prerequisite: Students must demonstrate comfort and confidence in the water and in their ability to safely complete 50yds of freestyle stroke.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an open-entry/open-exit course designed to provide intermediate swimmers, who have mastered basic water acclimation, water safety, and basic swimming skills, further instruction in freestyle, backstroke, and breaststroke technique. Students will be introduced to flip turns for freestyle and backstroke, proper diving technique, and development of cardiovascular capacity. A required orientation includes explanation of class rules, procedures, safety, course objectives, and methods of instruction. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester.

FITNS 443 Swimming IV

Units: 1
Hours: 54 hours LAB
Course Family: Swimming
Prerequisite: Students must demonstrate comfort and confidence in the water, and in their ability to safely complete 100 yards of freestyle.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an open-entry/open-exit course designed to teach advanced intermediate swimmers (those who have mastered intermediate swimming skills) to identify and demonstrate proper technique specific to the four competitive strokes, proper training protocols, and training design. Students will learn and refine proper stroke technique of freestyle, backstroke, breaststroke, and butterfly. Students will refine underwater efficiency in diving, turns, and breakouts for all competitive strokes. Students will develop more advanced swim training protocols, drills, and workout designs. A required orientation includes explanation of class rules, procedures, safety, course objectives, and methods of instruction. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester.

FITNS 444 Swimming V

Units: 1
Hours: 54 hours LAB
Course Family: Swimming
Prerequisite: Students must demonstrate comfort and confidence in the water and in their ability to safely complete 100 yards of freestyle with stroke and breathing proficiency.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an open-entry/open-exit course that includes a workout approach with emphasis on aerobic and anaerobic fitness. It is a self-paced course and utilizes interval training, cardiovascular conditioning, swimming technique, and aerobic and anaerobic training principles. A required orientation includes explanation of class rules, procedures, safety, course objectives, and methods of instruction. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester.

FITNS 499 Experimental Offering in Fitness

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Kinesiology (KINES) Courses

KINES 300 Introduction to Kinesiology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Transferable: CSU; UC
C-ID: C-ID KIN 100

This course provides students with an orientation to the history and trends in kinesiology, physical education, fitness, and sport. Students will be introduced to various career, ethical, allied health, and professional issues in the kinesiology, physical education, and sports fields. An introduction to the major subfields including exercise physiology, biomechanics, motor learning, sport sociology, nutrition, and sport and exercise psychology will be discussed.

KINES 304 Introduction to Sports Management

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU

This course is designed to introduce students to the scope and career opportunities of sports management. Emphasis will be placed on current events in the world of sports management.

KINES 342 Theory of Baseball

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: CSU Area E2

This course is designed for advanced analysis of baseball. Focus is placed on analysis and instruction of individual skills and team concepts. Special emphasis will be placed on a model for instruction. Specific areas of emphasis will include, but not be limited to, team selection, practice organization, individual fundamentals, drills to develop team fundamentals

(bunt defenses, cutoffs and relays, pick-offs, 1st and 3rd defenses), charting, and scouting. Specific video analysis software and motion capture systems will be integrated into the course.

KINES 346 Theory of Basketball

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: CSU Area E2

The course will give the students the opportunity to gain an understanding of coaching basketball beginning with conditioning for the pre-season and the regular season. Additionally, students will gain an understanding of how to teach basic fundamentals and learn various strategies including team offense and defense. Students will develop their own philosophies of coaching. Students will learn how to scout other teams and to read and explain basketball diagrams and plays.

KINES 352 Theory of Football

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(b); AA/AS Area III(a); CSU Area E2

This course will focus on offensive and defensive schemes and cover how each position fulfills a vital role toward successful execution at both the community college and four year level. These concepts will be divided into the various components of the sport to include offense, defense, and special teams. Emphasis shall be placed upon the student understanding the inherent role of each position assignment of a dynamic scheme and how that strengthens the relative efficiency of the unit in execution throughout the competitive environment.

KINES 354 Theory of Soccer

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: CSU Area E2

This course will focus on the analysis of soccer. Students will gain an understanding of techniques and various tactics, including team offense and defense, and learn match analysis in connection with game preparation. Specific areas of emphasis will include, but not be limited to injury prevention, season planning, team management, systems of play, refereeing, and an understanding of applied psychology.

KINES 382 Wellness

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Transferable: CSU ((formerly FITNS 357)); UC ((formerly FITNS 357))
General Education: AA/AS Area III(a); CSU Area E2

This course allows students to work independently while monitoring their fitness program. This allows for a process that guides the students in strategies and decisions for healthy lifestyle habits.

KINES 410 Personal Trainer Certification: Exercise Science & Fitness Assessment

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to provide the theoretical knowledge necessary to prepare for the American Council on Exercise's National Personal Training Certification Exam. Topics include the following: introduction to exercise physiology and exercise adaptation, human anatomy, applied kinesiology, basic nutrition and nutritional strategies for exercise, obesity and weight management, fitness across the lifespan, and special considerations.

KINES 412 Strength and Fitness Certification

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU
General Education: AA/AS Area III(b)

This course will provide students with the necessary preparation for the National Council of Strength and Fitness (NCSF) personal training certification exam. The course includes topics on scientific foundations, nutrition, body composition, components of fitness, exercise prescription, specific needs in special populations, connections between physical activity and mental and emotional health, and exercise programming and assessments.

KINES 418 Nutrition for Physical Performance

Same As: NUTRI 302
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area E1

This course will explore nutrition and fitness with emphasis on the relationship among nutrition, physical activity, lifelong fitness, and health. Credit will be awarded for NUTRI 302 or KINES 418 but not both.

KINES 450 Sport in Society

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC

This course will provide students with an examination of sport as a significant influence in society. Topics will include the importance of gender, race and ethnicity, social class, religion, politics, media, and economical impact of sport with society.

Additional topics will include the role of the media, ethics, education, and community impact.

KINES 451 Principles and Theory of Athletic Coaching

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Transferable: CSU; UC

This course will introduce philosophy, theories, and development of athletic coaching. The course will include topics on philosophy, team management, risk management, behavior management and planning that will assist new and experienced coaches to develop strategies necessary for success.

KINES 452 Psychology of Sport and Fitness

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Transferable: CSU

This course will provide students with an orientation to psychological and mental factors that influence participation and performance in sport, exercise, and physical activity. The course will include topics that will assist coaches, personal trainers, and group leaders in enhancing the level of success in performance for their athletes, students, and clients.

KINES 495 Independent Studies in Physical Education Theory

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among college, faculty members, and students. Independent studies in Physical Education Theory offer students a chance to do research that is more typical of community and graduate student work. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

KINES 497 Internship in Physical Education - Theory

Units: 1 - 4
Hours: 18 hours LEC; 27 - 162 hours LAB
Prerequisite: PET 330 and 331 with grades of "C" or better or concurrent enrollment in KINES 330 and 331 or proof of knowledge and skills of preventative taping and recognition of basic athletic injuries.
Transferable: CSU

The student will be exposed to soft tissue techniques, advanced athletic taping, and wrapping, emergency scenarios, physiology of injury recovery, and rehabilitation programs as prescribed by the teams physicians and supervision by a certified athletic trainer. Units are awarded on the basis of one unit per 60 hours of unpaid work or 75 hours of paid work. This course may be taken four times for a maximum of 16 units for credit.

KINES 499 Experimental Offering in Kinesiology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Personal Activity (PACT) Courses

PACT 310 Badminton I

Units: 1
Hours: 54 hours LAB
Course Family: Badminton
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The course is an introduction to a lifelong of physical activity and provides basic fundamental skills, techniques and rules necessary for participation in badminton at the beginner level. The emphasis is on skills and techniques, such as play strategies for singles and doubles and shot selection for various play situations.

PACT 330 Boxing

Units: 1
Hours: 54 hours LAB
Course Family: Group Cardio Fitness Training
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course will cover the basic fundamentals and techniques of boxing. Methodology, strategy, and self-defense applications will also be included.

PACT 350 Golf I

Units: 1
Hours: 54 hours LAB
Course Family: Golf
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Golf I covers the basic skills and knowledge necessary to play the game of golf. Instruction for this course is provided at an off-campus location. The student will need transportation to the facility.
This course focuses on the fundamental skills necessary to strike and putt the ball. Course management strategies will also be discussed. Some sections of this course are held on area regulation golf courses. Students must have their own sets of golf clubs and equipment.

PACT 351 Golf II

Units: 1
Hours: 54 hours LAB
Course Family: Golf
Prerequisite: PACT 350 with a grade of "C" or better; or equivalent.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Golf II covers the skills and knowledge necessary to play the game of golf. Instruction for this course is provided at an off-campus location. The student will need transportation to the facility. This course includes a review of the basic golf skills and continues with analysis of the full swing, approach shots, and putting. Course management strategies for negotiating a golf course is also covered. Students must have their own sets of golf clubs and equipment.

PACT 390 Tennis I

Units: 1
Hours: 54 hours LAB
Course Family: Tennis
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course in tennis covers the basic fundamentals, stroke techniques, and strategies for singles and doubles play. Tennis I will cover the basic fundamentals, techniques, rules, strategies, and etiquette of the activity; singles and doubles play strategies will be included as well as refining stroke techniques.

PACT 391 Tennis II

Units: 1
Hours: 54 hours LAB
Course Family: Tennis
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course reviews and refines basic fundamentals, techniques, rules, and social courtesies of tennis. Intermediate players are defined as having completed beginning tennis skill sets in volleys, ground strokes, serves, point play, and basic rules knowledge. Intermediate tennis players are encouraged to take this course.

PACT 393 Tennis III

Units: 1
Hours: 54 hours LAB
Course Family: Tennis
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Tennis III focuses on improving and refining the competitive physical skill, mental skills and overall techniques of the sport. Particular attention will be given to the strategic development of the player while refining racket strokes and court positioning that complete points. Hitting patterns, serving placement, and tactical movement will also be developed.

PACT 394 Tennis, Doubles

Units: 1
Hours: 54 hours LAB
Course Family: Tennis
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course provides instruction for intermediate and advanced players in competitive doubles tennis applications and for enjoyment of the sport. Game tactics, strategies, and skills development are emphasized.

PACT 410 Wrestling

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The wrestling course is a physical education course that will cover the fundamentals of intercollegiate wrestling. The student will have the opportunity to obtain knowledge and practical experience of intercollegiate wrestling.

PACT 430 Pickleball I

Units: 1
Hours: 54 hours LAB
Course Family: Pickleball
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course covers basic technique of strokes, rules of play, simple strategies, and the etiquette of Pickleball. As a relative newcomer in the field, Pickleball combines the court dimensions of "Pop" or "Spec" Tennis with a whiffle like ball and a larger version of a table tennis paddle to be enjoyed as an active and safe sport for a diversity of age and athletic backgrounds.

PACT 499 Experimental Offering in Personal Activity

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Sports (SPORT) Courses

SPORT 90 Academic Study Skills for Student Athletes

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 90 class, each student must be listed as a student athlete, by the head coach, on the official team roster. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as

determined by the coaching staff to remain enrolled in this course.

This lab course is an open-entry/open-exit course designed to assist the student-athlete in acquiring basic study skills and work habits. In addition, the student-athlete will learn and apply time and stress management techniques, note-taking techniques, and test-taking techniques. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. Students must complete 27 hours of work to earn 0.5 units of credit per semester. Grades are Pass/No Pass.

SPORT 91 Academic Study Skills for Student Athletes

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 91 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.

This lab course is an open-entry/open-exit course designed to assist the student-athlete in acquiring basic study skills and work habits. In addition, the student-athlete will learn and apply time and stress management techniques, note-taking techniques, and test-taking techniques. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. Students must complete 27 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass.

SPORT 92 Academic Study Skills for Student Athletes

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 92 class, each student must be listed as a student athlete, by the head coach, on the official team roster. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.

This lab course is being offered as an open-entry/open-exit course designed to assist the at-risk student athlete in acquiring basic study skills and work habits to gain success in the classroom. In addition, the student-athlete will learn about the rules and regulations for the local governing conference, California Community College Athletic Association (CCCAA), National Collegiate Athletic Association (NCAA), and National Association of Intercollegiate Athletics (NAIA). Academic and athletic requirements at each organizational level will be presented. Social issues that affect athletics will also be discussed such as performance enhancement drugs (PEDs), substance abuse, violence, athletes with disabilities, and diversity. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. Students must complete 27 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass.

SPORT 93 Academic Study Skills for Student Athletes

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 93 class, each student must be listed as a student athlete, by the head coach, on the official team roster. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.

This lecture/lab course is being offered as an open-entry/open-exit course designed to assist the at-risk student athlete in acquiring basic study skills and work habits to gain success in the classroom. Learning from your mistakes and using your critical thinking skills will be presented. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. Students must complete 27 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass.

SPORT 300 Baseball, Intercollegiate-Men

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 300 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced baseball team activity course that provides competition with other community college teams. Team dynamics and their relationship to intercollegiate competition will be developed and enhanced. Mental skills pertaining to "being present" on each pitch, maintaining one's ability to compete with less than one's best, and the pitcher-versus-hitter confrontation will be taught and explored. The ultimate objective is to prepare students for an opportunity to compete for the California state championship and for higher levels of baseball competition after community college. This course may be taken four times for credit.

SPORT 301 Off Season Conditioning for Baseball

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 301 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of baseball. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course may be taken four times for credit.

SPORT 303 Pre-Season Conditioning for Baseball

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 303 class, each student must: 1) Be listed as a student athlete, by the head coach, on the official team roster; and 2) Obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC (Varied units)
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to optimize sports performance and reduce risk of injury for the pre-season intercollegiate athlete in the sport of baseball. Course content includes sport-specific skill development, sport-specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises.

SPORT 311 Basketball, Intercollegiate-Men, Fall

Units: 1.5
Hours: 81 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 311 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced course designed to provide specialized training for competition with other community college teams. Demonstration of fundamental and advanced skills, adherence to the rules and etiquette of basketball, and execution of team strategy will be expected of all students. This course will encompass the pre-season, tournament, and non-league portion of the season. This course may be taken four times for credit.

SPORT 312 Basketball, Intercollegiate-Men, Spring

Units: 1.5
Hours: 81 hours LAB
Prerequisite: SPORT 311 with a grade of "C" or better
Enrollment Limitation: In order to take the SPORT 312 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced course designed to provide specialized training for competition with other community college teams. Demonstration of fundamental and advanced skills, adherence to the rules and etiquette of basketball, and execution of team strategy will be expected of all students. This course will encompass the league and post-season competition phases of the season. This course may be taken four times for credit.

SPORT 313 Off Season Conditioning for Basketball

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 313 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of basketball. Course content will include: collegiate level basketball-specific skill development, sport specific strength training, agility work, plyometrics, speed training, and flexibility exercises. The course is repeatable up to four times.

SPORT 314 Pre-Season Conditioning for Basketball

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 314 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. The student should contact the instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This kinesiology course involves a combination of skill development and strategy tactics with an emphasis on a fitness component for the sport of basketball. The course will also offer a mental training component for peak performance. This course is designed to prepare students for intercollegiate basketball competition and may be taken for a maximum of 4 units to meet California Community College Athletic Association requirements for eligibility.

SPORT 316 Basketball, Intercollegiate-Women, Fall

Units: 1.5
Hours: 81 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 316 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced course designed to provide specialized training for competition with other community college teams. Demonstration of fundamental and advanced skills, adherence to rules and etiquette of basketball, and execution of team strategy will be expected of all students. This course will encompass the pre-season, tournament, and non-league portion of the season. The course is repeatable up to four times.

SPORT 317 Basketball, Intercollegiate-Women, Spring

Units: 1.5
Hours: 81 hours LAB
Prerequisite: SPORT 316 with a grade of "C" or better
Enrollment Limitation: In order to take the SPORT 317 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced course designed to provide specialized training for competition with other community college teams. Demonstration of fundamental and advanced skills, adherence to rules and etiquette of basketball, and execution of team strategy will be expected of all students. This course will encompass the league and post-season competition phases of the season. The course is repeatable up to four times.

SPORT 318 Post-Season Conditioning for Basketball

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 318 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This kinesiology course involves a combination of skill development and strategy tactics with an emphasis on a fitness component for the sport of basketball. The course will also offer a mental training component for peak performance. This course is designed to prepare students for intercollegiate basketball competition and may be taken for a maximum of 4 units to meet California Community College Athletic Association requirements for eligibility.

SPORT 320 Cross Country, Intercollegiate-Men

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 320 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The advanced cross country course will provide specialized training for competition with other community college teams. Every student will be taught the fundamentals, advanced techniques, and strategy to be able to perform at the intercollegiate athletic competition level. This course may be taken four times for credit.

SPORT 325 Cross Country, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 325 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The advanced cross country course will provide specialized training for competition with other community college teams. Every student will be taught the fundamentals, advanced techniques, and strategy to be able to perform at the intercollegiate athletic competition level. This course may be taken four times for credit.

SPORT 326 Off-Season Conditioning for Women's Cross Country

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 326 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. The student should contact the instructor for process

and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course involves sport specific training, conditioning, and technical skill development specific to the sport of cross country for the off-season student athlete. Course content includes: sport specific skill development, event specific strength training, cardiovascular conditioning, agility training, plyometric drills, anaerobic speed development, and enhancement of flexibility. This course may be taken up to four times for credit.

SPORT 327 Off-Season Conditioning for Men's Cross Country

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 327 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course involves sport specific training, conditioning, and technical skill development specific to the sport of cross country for the men's off-season student- athletes. The course content includes: sport specific skill development, cross country specific strength training, cardiovascular conditioning, agility training, plyometric drills, speed improvement, and enhancement of flexibility. This course may be taken up to four times for credit.

SPORT 330 Football, Intercollegiate-Men

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 330 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced course designed to provide specialized training for competition against other community college programs. Fundamentals, rules, and individual and/or team strategies appropriate to intercollegiate athletic competition will be expected of the competitors.

SPORT 331 Off Season Conditioning for Football

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 331 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course will involve sport specific training and technical skill development in the sport of football for off-season student athletes. Course content will include: sport specific skill development, sport specific strength training, speed development, agility training, plyometric drills, cardiovascular conditioning, and an increase in flexibility.

SPORT 332 Pre-Season Conditioning for Football

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 332 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course covers advanced offensive and defensive strategies for football at the college level. Blocking schemes and tackling techniques, as well as offensive, defensive and special teams formations are discussed. Strength and conditioning drills are implemented to enhance football skills. This course may be taken up to four times for credit.

SPORT 345 Golf, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 345 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills, as determined by the coaching staff, to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced golf team activity that provides competition against other community college teams. Fundamentals, rules, individual and/or team strategy appropriate to intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 346 Off Season Conditioning for Women's Golf

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 346 class, each student must: 1) be listed as a student athlete, by the head coach, on the official roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course will involve training, conditioning, and technical skill development specific to the sport of golf for the off-season student athlete. Course content will include: sport specific skill development, event specific strength training, cardiovascular conditioning, agility training, plyometric drills, anaerobic speed development, and enhancement of flexibility. This course may be taken four times for a maximum of 12 units for credit.

SPORT 355 Soccer, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 355 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is an advanced soccer team activity to provide female student athletes with an opportunity for competition against other community college teams. This course is designed to build the student athlete's soccer fundamentals and skills, psychological components, review rules of the game, and teach individual and/or team strategies appropriate to intercollegiate athletic competition. Students will be required to purchase soccer cleats and shin guards.

SPORT 356 Off Season Conditioning for Women's Soccer

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 356 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This physical education course involves sport specific training and conditioning skills and techniques. There is a concentration on basic concepts with emphasis on conditioning. Students will have the opportunity to obtain knowledge and practical experience in a specific intercollegiate soccer. This course may be taken four times for credit.

SPORT 357 Pre-Season Conditioning For Women's Soccer

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 357 class, each student must: 1) Be listed as a student athlete, by the head coach, on the official team roster; and 2) Obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is a pre-season conditioning course for student-athletes who would recondition their soccer specific skills such as muscle endurance, strength, speed, agility, and do a quickness (SAQ) workout before their regular practices begin. Therefore, this course is designed as an intense workout for college soccer players to perform for a prolonged period of time at a variety of speeds. This course may be taken up to four times for credit.

SPORT 365 Softball, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 365 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced softball team activity that provides competition with other community college teams. Fundamentals, rules, and individual and/or team strategy appropriate to intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 366 Off Season Conditioning for Softball

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 366 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate

intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This physical education course involves a combination of basic skills and strategy tactics with a emphasis on a fitness component for the sport of softball. The course will also offer a mental training component for peak performance. This course is designed to prepare students for intercollegiate softball competition and may be taken four times for credit to meet California Community College Athletic Association requirements for eligibility.

SPORT 370 Swimming and Diving, Intercollegiate-Men

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 370 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced swimming and diving team activity that provides competition with other community college teams. Fundamentals, rules, and individual and/or team strategy appropriate to intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 375 Swimming and Diving, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 375 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced swimming and diving team activity that provides competition with other community college teams. Fundamentals, rules, and individual and/or team strategy appropriate to intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 376 Off Season Swim & Dive

Units: 0.5 - 3
Hours: 27 - 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 376 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course combines basic skills and stroke technique with an emphasis on a fitness component for the sport of swimming. It also offers a dry-land training component for peak performance. This course is designed to prepare students for intercollegiate swimming competition. Athletes are required to have a competitive swim-suit and goggles. It may be taken up to four times for credit.

SPORT 377 Pre-Season Conditioning Swim & Dive

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 377 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course combines basic skills and stroke technique with an emphasis on a fitness component for the sport of swim and dive. It also offers a dry-land training component for peak performance. This course is designed to prepare students for intercollegiate swim and dive competition. Athletes will be required to have a competitive swim-suit and goggles. It may be taken up to four times for credit.

SPORT 380 Tennis, Intercollegiate-Men

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced tennis team activity that provides competition with other community college teams. Knowledge of fundamentals, rules, and individual and/or team strategy appropriate to intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 385 Tennis, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.

Enrollment Limitation: In order to take the SPORT 385 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced tennis team activity that provides competition with other community college teams. Fundamentals, rules, and individual and/or team strategy appropriate to intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 386 Off Season Conditioning for Tennis

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course prepares the intercollegiate tennis player for the competitive season and is intended to reduce the risk of injury. Course content includes collegiate level tennis specific skill development, aerobic conditioning, sport specific strength training, agility, plyometrics, speed training, and joint flexibility along with associated activities to prepare the athlete physically and mentally. This course may be repeated as needed to meet requirements for California Community College Athletic Association eligibility standards.

SPORT 390 Track and Field, Intercollegiate-Men

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 390 class, each student must: 1) Be listed as a student-athlete by the Head Coach on the official team roster; and 2) Obtain medical clearance, including a physical exam performed by a licensed physician. Student should contact the instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The intercollegiate track and field course provides training for competition with other community college teams. Each student will be trained in the fundamental and advanced techniques needed for his specific events, along with the rules, strategies, sportsmanship, and teamwork appropriate for intercollegiate competition. This course may be taken four times for credit.

SPORT 395 Track and Field, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 395 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The intercollegiate track and field course is an advanced program to provide specialized training for competition with other community college teams. Students will be trained in the fundamental and advanced techniques needed for their specific events, along with the rules and strategies appropriate for intercollegiate competition. This course may be taken four times for credit.

SPORT 396 Off Season Conditioning for Track and Field

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 396 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course will involve sport specific training, conditioning, and technical skill development specific to the sport of track and field for the off-season student athlete. Course content will include: sport specific skill development, event specific strength training, cardiovascular conditioning, agility training, plyometric drills, anaerobic speed development, and enhancement of flexibility.

SPORT 403 Pre-Season Conditioning for Volleyball

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 403 class, each student must: 1) be listed as a student athlete by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This kinesiology course involves a combination of skill development and strategy tactics with an emphasis on a fitness component for the sport of volleyball. The course will also offer a mental training component for peak performance. This course is designed to prepare students for intercollegiate volleyball competition and may be taken up to 4 times for a maximum of 3 units.

SPORT 405 Volleyball, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 405 class, each student must: 1) be listed as a student athlete by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced, competitive volleyball team activity that provides competition with other community college teams. Fundamentals, rules, and individual and/or team strategy appropriate to intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 406 Off Season Conditioning for Volleyball

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 406 class, each student must: 1) be listed as a student athlete by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of volleyball. Course content will include: collegiate level volleyball-specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises.

SPORT 415 Water Polo, Intercollegiate-Women

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 415 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced water polo team activity that provides competition with other community college teams. Fundamentals, rules, team strategy, and swimming skills appropriate to intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 416 Off Season Water Polo

Units: 0.5 - 3
Hours: 27 - 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 416 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course combines basic skills and strategy tactics with an emphasis on a fitness component for the sport of water polo. It also offers a dry-land training component for peak performance. This course is designed to prepare students for intercollegiate water polo competition. Athlete must provide their own water polo training swim suit. This course may be taken up to four times for credit.

SPORT 417 Pre-Season Conditioning for Water Polo

Units: 0.5 - 3
Hours: 27 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 417 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed for current and new student athletes trying out for the collegiate water polo team. The course combines basic skills and strategy tactics with an emphasis on a fitness component for the sport of water polo. It also offers dry-land training for peak performance. This course is designed to prepare students for intercollegiate water polo competition. Athletes must provide their own competitive water polo training suit.

SPORT 420 Wrestling, Intercollegiate-Men

Units: 3
Hours: 175 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 420 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.

Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced wrestling team activity that provides competition with other community college teams or Frosh/Soph teams from four-year institutions. Techniques, rules, strategies and conditioning appropriate for intercollegiate athletic competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 421 Off Season Conditioning for Wrestling

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: In order to take the SPORT 421 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This physical education course involves training and conditioning skills and techniques specific to wrestling. Students will have the opportunity to obtain knowledge and practical experience in intercollegiate wrestling. This course may be repeated for credit.

Team Activity (TMACT) Courses

TMACT 300 Soccer, Indoor

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The purpose of this course is to provide the student with beginning level knowledge and skills associated with indoor soccer. Students will learn the differences between indoor and outdoor soccer. History, techniques, rules, and strategies of the game of indoor soccer will be taught throughout the class. As a result of the class, the students will improve their general physical fitness and skill performance.

TMACT 301 Indoor Soccer II

Units: 1
Hours: 54 hours LAB
Course Family: Soccer
Prerequisite: None.
Advisory: TMACT 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Indoor Soccer II is an intermediate level course to help students develop and improve intermediate indoor soccer knowledge and skills beyond the beginning level of soccer. This course emphasizes an intermediate level of technical skills, tactical knowledge, and modified US indoor soccer rules, as well as defensive and offensive systems to play indoor soccer in intermediate 6 versus 6 environments. It also helps students develop a lifetime interest in the sport of indoor soccer.

TMACT 302 Soccer - Outdoor

Units: 1
Hours: 54 hours LAB
Course Family: Soccer
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The purpose of this course is to provide students with the basic knowledge and skills needed to play outdoor soccer. The course introduces beginner level techniques and skills, which emphasizes defense, offense, passing, dribbling, ball control, and shooting. It covers the skills, strategy, tactics, and the rules that govern the play of outdoor soccer.

TMACT 303 Outdoor Soccer II

Units: 1
Hours: 54 hours LAB
Course Family: Soccer
Prerequisite: None.
Advisory: TMACT 302 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The purpose of this course is to provide the students with an intermediate level of soccer knowledge and skills beyond the beginning level of soccer. This course emphasizes an intermediate level of technical skills, tactical knowledge, and rules of the game, as well as defensive and offensive patterns of play-to-play soccer. This class is not designed for beginning soccer players.

TMACT 304 Outdoor Soccer III

Units: 1
Hours: 54 hours LAB
Course Family: Soccer
Prerequisite: None.
Advisory: TMACT 303 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

The purpose of this course is to provide the students with an advanced level of soccer knowledge and skills beyond the intermediate level of soccer. This course emphasizes an advanced level of technical and conditioning drills, game preparations, match analysis, and tactical knowledge as well as defensive and offensive drills of play to play in an advanced soccer environment. The course also offers the students the opportunity to broaden their ability and knowledge of coaching to expand an individual’s development as an advanced player in coaching.

TMACT 320 Basketball

Units: 1
Hours: 54 hours LAB
Course Family: Basketball
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is a beginning basketball course. Instruction, demonstration, and participation will provide the student with ample knowledge of beginning level basketball. This course will cover the individual fundamental skills of basketball, including: shooting, passing, ball-handling, individual defense, and rebounding. Rules, tactics, and etiquette of the game will be introduced.

TMACT 321 Basketball II

Units: 1
Hours: 54 hours LAB
Course Family: Basketball
Prerequisite: None.
Advisory: TMACT 320 (Basketball I) or equivalent skills demonstrated through an assessment process with the instructor. Intermediate level basketball students must demonstrate a post-beginning level of basketball knowledge and skill in this process to be considered for enrollment in this intermediate basketball class.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an intermediate basketball course. Instruction, demonstration, and participation will provide the student with an understanding of intermediate level basketball. This course will cover intermediate level skills and tactics of basketball.

TMACT 322 Basketball III

Units: 1
Hours: 54 hours LAB
Course Family: Basketball
Prerequisite: None.
Advisory: TMACT 321 (Basketball II) or equivalent skills demonstrated through an assessment process with the instructor. Advanced level basketball students must demonstrate a post-intermediate level of basketball knowledge and skill in this process to be considered for enrollment in this advanced basketball course.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced basketball course. Instruction, demonstration, and participation will provide the student with sufficient knowledge for participation in basketball at an advanced level. This course will focus on improving the student's basketball skill set, while competitive play is emphasized.

TMACT 330 Volleyball

Units: 1
Hours: 54 hours LAB
Course Family: Volleyball
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is a beginning volleyball course. Instruction, demonstration, and participation will provide the student with ample knowledge of beginning level volleyball. This course will cover the basic fundamentals of the sport of volleyball including: serving, passing, setting, spiking, blocking, digging, serve receive, and defense. NCAA collegiate rules, etiquette, and strategy will be taught.

TMACT 331 Volleyball II

Units: 1
Hours: 54 hours LAB
Course Family: Volleyball
Prerequisite: TMACT 330 (Volleyball I) or equivalent skills demonstrated through an assessment process with the instructor.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an intermediate volleyball course. Instruction, demonstration, and participation will provide the student with ample knowledge for continued participation in volleyball. This course will focus on refining basic skills including: serving, passing, setting, spiking, blocking, digging, serve receive, and defense. Challenging techniques and strategies will be taught using NCAA collegiate rules and etiquette.

TMACT 333 Volleyball III

Units: 1
Hours: 54 hours LAB
Course Family: Volleyball
Prerequisite: TMACT 331 (Volleyball II) or equivalent skills demonstrated through an assessment process with the instructor.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an advanced volleyball course. This course will focus on developing and improving more challenging skills and techniques of the sport, and competitive play takes a higher priority.

TMACT 340 Football

Units: 1
Hours: 54 hours LAB
Course Family: Football
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course covers advanced offensive and defensive strategies for football at the college level. Blocking schemes, tackling techniques, as well as offensive and defensive formations are discussed.

TMACT 341 Theory of Football Lab

Units: 1
Hours: 54 hours LAB
Prerequisite: PET 352 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This course is designed to enhance football fundamentals and conditioning drills for the advanced football player. Focus is placed on the physical development of individual skills and team concepts. Specific areas of emphasis will include but not be limited to: team selection; individual fundamentals and drills to develop those fundamentals; team strategies; conditioning; and explosive power development.

TMACT 342 Flag Football

Units: 1

Hours: 54 hours LAB
Course Family: Football
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

This is an activity course introducing students to the fundamentals of flag football. Rules of the game, safety, offensive and defensive skills, and game strategy.

TMACT 370 Water Polo

Units: 1
Hours: 54 hours LAB
Prerequisite: Student must achieve a passing standard on the swim test of 100 yards of freestyle with proficient breathing to the side and 50 yards of backstroke.
Transferable: CSU; UC
General Education: AA/AS Area III(a); CSU Area E2

Water Polo will cover the basic fundamentals, skills, and techniques of the game. Rules and strategies will also be included in the course. This course may be taken four times for credit.

TMACT 499 Experimental Offering in Team Activity

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Learning, Tutoring and Academic Technology

Learning, Tutoring and Academic Technology provides resources for the campus community to foster learning and incorporate technology into instruction. Learning Skills and Tutoring provides a wide range of tutoring services to assist students with meeting their academic needs. The Writing Center provides tutorial services to enhance students' writing proficiency across all academic disciplines. Distance Education provides program-level support to faculty in disciplines engaging in distance education instructional modalities and provides guidance regarding regulatory compliance, accreditation issues, and best practices for distance-based instruction. Instructional Development provides support for the various academic computing resources and instructional technologies provided to students and faculty.

Dean Kevin Flash

Department Chairs Kandace Knudson
Elizabeth Stevenson

Phone (916) 558-2253

Email MurillC@scc.losrios.edu

Learning, Tutoring, and Academic Technology (LTAT) Courses

LTAT 92 Prerequisite Skills Assistance

Units: 0.5 - 2
Hours: 27 - 108 hours LAB
Prerequisite: None.

This course offers individualized instruction designed to help students improve basic reading, grammar/mechanics, arithmetic, and algebra skills. Course offerings vary depending on individual student needs and abilities. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. This course is intended as a supplement to other courses and not as a substitute for any basic skills course. Students must complete 27 hours of work to earn 0.5 unit of credit per semester. Students may enroll up to four times. This course is graded Pass/No Pass.

LTAT 93 Prerequisite Skills - Arithmetic Review

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.

This course offers individualized, computer-assisted, self-paced practice designed to help students review and improve their skills in adding, subtracting, multiplying, and dividing whole numbers and fractions and selecting the correct operation for solving simple word problems using whole numbers and fractions. Students may enroll in this open-entry, open-exit course up to the eighth week of the semester. This course is intended as a supplement to other courses and is not a substitute for any basic skills course. Students may enroll in 0.5 to 1 unit. This course is graded Pass/No Pass.

LTAT 94 Prerequisite Skills - Grammar and Mechanics Review

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.

This course offers individualized, computer-assisted, self-paced practice designed to help students review and improve their understanding of basic English grammar, spelling, punctuation, and sentence structure. Students may enroll in this open-entry, open-exit course up to the eighth week of the semester. This course is intended as a supplement to other courses and is not a substitute for any basic skills course. Students may enroll in 0.5 to 1 unit. This course is graded Pass/No Pass.

LTAT 95 Prerequisite Skills - Reading Skills Review

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.

This course offers individualized, computer-assisted, self-paced practice designed to help students improve their basic reading skills by reviewing vocabulary building, context clues, word structure, and distinguishing main ideas from supporting detail. Students may enroll in this open-entry, open-exit course up to the eighth week of the semester. This course is intended as a supplement to other courses and is not a substitute for any basic skills course. Students may enroll in 0.5 to 1 unit. This course is graded Pass/No Pass.

LTAT 96 Prerequisite Skills - Pre-Algebra Skills Review

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.

This course offers individualized, computer-assisted, self-paced practice designed to help students review and improve their skills in using decimals, ratio and proportion, and percentage and employing these concepts to solve word problems. Students may enroll in this open-entry, open-exit course up to the eighth week of the semester. This course is intended as a supplement to other courses and is not a substitute for any basic skills course. Students may enroll in 0.5 to 1 unit. This course is graded Pass/No Pass.

LTAT 300 Academic Skills

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

The course is designed for students who want to improve their academic skills. Students will have an opportunity to assess their learning needs in order to develop and improve study techniques for textbook reading, note-taking, and test taking. In addition, students will learn how to manage their time, improve their concentration and memory, and develop listening strategies in order to become successful students.

LTAT 310 Introduction to Individual Peer Tutoring

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

The course is designed to train students to become peer tutors. It introduces students to the role of a peer tutor and to methods of effective tutoring. Through lectures, discussions, assignments, and assessments, students will develop skills in employing various tutoring strategies.

LTAT 311 Introduction to Group Peer Tutoring

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

This course introduces the role of the tutor as a facilitator and presents methods of effective group tutoring. It emphasizes collaborative approaches to learning in a group setting. This course is offered in coordination with the Beacon Tutoring Program at Sacramento City College.

LTAT 312 Introduction to Peer Writing Tutoring

Units: 1
Hours: 18 hours LEC
Prerequisite: ENGWR 300, ESLW 340, or ESL 325 with a grade of "B" or better
Transferable: CSU

In this course, students will learn to become peer writing tutors. Students will be introduced to the goals and role of writing tutors and learn methods and strategies for effective writing tutoring.

LTAT 495 Independent Studies in Learning, Tutoring and Academic Technology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course allows an individual student or a small group of students to work with an instructor in a particular area of study not currently available in the course offerings. The instructor and student develop an agreement outlining the course of study. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted toward the minimum 60 units required for admission.

LTAT 499 Experimental Offering in Learning, Tutoring, and Academic Technology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Legal Studies

Career opportunities in legal studies have an excellent outlook. Labor market information for the greater Sacramento region indicates that there is an undersupply of educational awards in legal studies as compared to the number of projected annual openings for positions in this professional area. A Legal Studies certificate creates opportunities in the legal profession as lawyer, judge, mediator, paralegal, consultant, educator, corporate attorney, court administrator, governmental administrator, or politician.

Degrees and Certificates Offered

A.A.-T. in Law, Public Policy, and Society

Legal Studies Certificate

Dean Dennis Lee
Department Chair Kelly Gould
Phone (916) 558-2401
Email SCC-BSS@losrios.edu

Associate Degree for Transfer

A.A.-T. in Law, Public Policy, and Society

The Associate in Arts in Law, Public Policy, and Society for Transfer degree offers courses that satisfy lower-division General Education requirements in both the physical and social sciences, providing students with a solid foundation in Law, Public Policy, and Society as well as the standard prerequisites for upper-division coursework leading to the baccalaureate degree. Students planning to transfer to a CSU with a major in Law, Public Policy, and Society should consult the lower division requirements at the university they plan to attend. Through interdisciplinary studies in the administration of justice, political science, business, history, economics, sociology, global studies, and communications, students will acquire skills in critical thinking, persuasive communication, analytical writing, and a foundational understanding of the behavioral and social sciences.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60-semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A ”P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
Core Classes:		
A minimum of 24 units from the following:		24
BUS 345	Law and Society (3)	
or BUS 340	Business Law (3)	
or ADMJ 322	Criminal Procedures (3)	
or ADMJ 320	Concepts of Criminal Law (3)	
or ADMJ 300	Introduction to Administration of Justice (3)	
or ADMJ 480	Concepts of Criminal Law - Honors (3)	
COMM 331	Group Discussion (3)	
or COMM 311	Argumentation and Debate (3)	
or COMM 301	Introduction to Public Speaking (3)	
or COMM 481	Introduction to Public Speaking - Honors (3)	
ENGWR 302	Advanced Composition and Critical Thinking (3)	
or COMM 315	Persuasion (3)	
or COMM 311	Argumentation and Debate (3)	
or ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
or PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
or ECON 310	Statistics for Business and Economics (3)	
ESLW 340	Advanced Composition (4)	
or ENGWR 300	College Composition (3)	
or ENGWR 488	Honors College Composition and Research (4)	
HIST 484	History of the United States - Honors (3)	
or HIST 483	History of the United States - Honors (3)	
or HIST 321	History of the United States: African-American Emphasis (3)	
or HIST 320	History of the United States: African-American Emphasis (3)	
or HIST 486	History of the United States: African American Emphasis - Honors (3)	
or HIST 487	History of the United States: African American Emphasis - Honors (3)	
or HIST 310	History of the United States (To 1877) (3)	
or HIST 311	History of the United States (1865 - Present) (3)	
PHIL 310	Introduction to Ethics (3)	
POLS 481	Introduction to Government: United States - Honors (3)	
or POLS 301	Introduction to Government: United States (3)	
Select two courses (6 units total) from two different areas listed below (courses must not have been used above):		

Course Code	Course Title	Units
A minimum of 6 units from the following:		6
Area 1: Administration of Justice		
ADMJ 300	Introduction to Administration of Justice (3)	
ADMJ 302	Community Relations: Multicultural Issues (3)	
ADMJ 304	Juvenile Delinquency (3)	
ADMJ 320	Concepts of Criminal Law (3)	
or ADMJ 480	Concepts of Criminal Law - Honors (3)	
ADMJ 322	Criminal Procedures (3)	
ADMJ 323	Legal Aspects of Evidence (3)	
ADMJ 340	Introduction to Correctional Services (3)	
SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
Area 2: Business		
BUS 340	Business Law (3)	
BUS 345	Law and Society (3)	
Area 3: Economics		
ECON 302	Principles of Macroeconomics (3)	
ECON 304	Principles of Microeconomics (3)	
Area 4: Political Science		
POLS 302	Comparative Politics (3)	
POLS 480	Introduction to International Relations - Honors (3)	
or POLS 310	Introduction to International Relations (3)	
POLS 320	Introduction to Political Theory (3)	
Area 5: Public Policy		
GLST 301	Introduction to Global Studies (3)	
GLST 302	Global Issues (3)	
POLS 350	Environmental Politics (3)	
SJS 300	Introduction to Social Justice Studies (3)	
SOC 301	Social Problems (3)	
or SOC 481	Social Problems - Honors (3)	
Area 6: Diversity		
ANTH 481	Honors Cultural Anthropology (3)	
or ANTH 310	Cultural Anthropology (3)	
COMM 325	Intercultural Communication (3)	
ETHNS 300	Introduction to Ethnic Studies (3)	
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
SOC 341	Sex and Gender in the U.S. (3)	
Area 7: College Success		
HCD 310	College Success (3)	
Total Units:		**30**

The Associate in Arts in Law, Public Policy, and Society for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify and discuss the legal framework for American institutions and systems of justice.
- critically analyze issues in public policy consistent with constitutional legal standards and mandates.
- demonstrate knowledge of practical applications and evaluations of policy outcomes in civic culture.
- analyze, investigate, and compare ideological approaches to governmental systems.
- research specific topics of discussion in local, state, national, and international politics.
- identify and demonstrate effective and appropriate written and oral communication skills, both verbal and nonverbal, in a variety of communication contexts and with diverse populations.

Career Information

Career opportunities with a bachelor's degree include professions in law, government, public relations, lobbying, diplomacy, advocacy, public safety services, intelligence analysts, criminal investigations, court service careers, social work, and correctional services.

Certificate of Achievement

Legal Studies Certificate

The legal studies certificate is designed to enhance opportunities for employment in the legal profession.

Certificate Requirements

Course Code	Course Title	Units
BUS 345	Law and Society (3)	3
or SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
or BUS 340	Business Law (3)	
COMM 303	Mediated Oral Communication (3)	3
or COMM 311	Argumentation and Debate (3)	
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
or ESLW 340	Advanced Composition (4)	

Course Code	Course Title	Units
ENGWR 301	College Composition and Literature (3)	3 - 4
or ENGWR 302	Advanced Composition and Critical Thinking (3)	
or ENGWR 303	Argumentative Writing and Critical Thinking Through Literature (4)	
or ENGWR 482	Honors Advanced Composition and Critical Thinking (3)	
HIST 310	History of the United States (To 1877) (3)	3
or HIST 311	History of the United States (1865 - Present) (3)	
or HIST 320	History of the United States: African-American Emphasis (3)	
or HIST 321	History of the United States: African-American Emphasis (3)	
or HIST 483	History of the United States - Honors (3)	
or HIST 484	History of the United States - Honors (3)	
or HIST 486	History of the United States: African American Emphasis - Honors (3)	
or HIST 487	History of the United States: African American Emphasis - Honors (3)	
POLS 301	Introduction to Government: United States (3)	3
or POLS 481	Introduction to Government: United States - Honors (3)	
STAT 300	Introduction to Probability and Statistics (4)	3 - 4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
or ECON 310	Statistics for Business and Economics (3)	
or PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
Total Units:		**21 - 24**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- effectively communicate in both oral and written formats.
- identify career opportunities in the legal profession.
- analyze crime causation, recognize the elements within statues and be familiar with procedures utilities to enforce those statutes.
- evaluate the complex legal aspects of criminal investigations, law procedures, constitutional law, and case law.
- identify and explain the purpose and authority of the local, state, and federal courts systems.
- define and use legal terminology accurately and appropriately.

Career Information

Career opportunities in legal studies have an excellent outlook. Labor Market Information for the greater Sacramento region indicates that there is an undersupply of educational awards in legal studies as compared to the number of projected annual openings for positions in this professional area. This certificate creates opportunities in the legal profession as lawyer, judge, mediator, paralegal, consultant, educator, corporate attorney, court administrator, governmental administrator, or politician.

Library

The Sacramento City College Library offers three different types of instruction: Library and Information Technology Classes (LIBT), Library Research Classes (LIBR), and Non-Credit Library Instruction.

Please Ask a Librarian (https://v2.libanswers.com/chati.php?hash=3ed10430124d950ef2b216a68e1b18ba&referer=https%3A%2F%2Fwww.scc.losrios.edu%2Fstudent-resources%2Flibrary&referer_title=Library) via chat or drop by the Research Help Desk on the second floor of the Learning Resource Center for assistance or more information.

Degrees and Certificates Offered

A.S. in Library and Information Technology

Library and Information Technology Certificate

School Library Media Center Certificate

Dean Kevin Flash

Department Chair Karen Tercho

Phone (916) 558-2253

Email PoszP@scc.losrios.edu

Associate Degree

A.S. in Library and Information Technology

The Library and Information Technology program is designed to assist students in the development of a wide range of technical skills in both library and media services that can lead to or enhance employment in the library field for paraprofessionals. Additionally, the curriculum is a valuable introduction to the field for students who plan to go into graduate studies to become librarians.

Degree Requirements

Course Code	Course Title	Units
CISA 315	Introduction to Electronic Spreadsheets	2
LIBT 100	Introduction to Library and Information Technology	1
LIBT 300	Introduction to Library Services	2
LIBR 325	Internet Research Skills (3)	3
or LIBT 325	Internet Research Skills (3)	
LIBT 330	Library Technical Processes	3
LIBT 331	Library Cataloging Procedures	3
LIBT 333	Library/Media Materials and Equipment	1
LIBT 343	Library Public Services	3
LIBT 345	Library Teamwork and Supervision	2
LIBT 110	Job Search Skills	1
A minimum of 2 units from the following:		2
LIBT 498	Work Experience in Library and Information Technology (0.5 - 4)	
A minimum of 1 unit from the following:		1
WEXP 498	Work Experience in (Subject) (1 - 4)	
or LIBT 498	Work Experience in Library and Information Technology (0.5 - 4)	
Total Units:		**24**

The Library and Information Technology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe the philosophical and legal foundations of libraries and the history, mission, roles, and organization of various types of libraries and networks.
- examine and analyze the ethical, legal, and socio-political issues surrounding information and information technology and the basic laws, standards, and governance that pertain specifically to libraries and the Internet.
- evaluate materials and electronic resources, construct and implement effective search strategies, and select the most appropriate information retrieval systems to meet library user needs.
- apply standard methods of selecting/deselecting, acquiring, preparing, organizing (cataloging and classifying), maintaining, and circulating library materials.
- describe the role technology plays in the creation, retrieval, and delivery of library resources and services.
- select, use, and maintain appropriate equipment for library functions and services; perform basic troubleshooting.
- manage a small library, a school library media center, or a department within a library.
- understand the history of the Internet, how it functions, ethical issues relating to it, and how to use informational resources on the Internet to do research.
- prepare for a job search in the library profession, create related application materials such as a resume and cover letter, and practice interviewing for a library position.

Career Information

Almost every community in the nation has a library. In the greater Sacramento area alone, there are almost 200 libraries of various kinds employing professional librarians and library clerks and technicians. Jobs are available in public, school, businesses, and special libraries as well as in media centers.

Certificates of Achievement

Library and Information Technology Certificate

The Library and Information Technology program is designed to assist students in the development of a wide range of technical skills in both library and media services that can lead to or enhance employment in the library field for paraprofessionals. Additionally, the curriculum is a valuable introduction to the field for students who plan to go into graduate studies to become librarians.

Certificate Requirements

Course Code	Course Title	Units
CISA 315	Introduction to Electronic Spreadsheets	2
LIBT 100	Introduction to Library and Information Technology	1
LIBT 300	Introduction to Library Services	2
LIBR 325	Internet Research Skills (3)	3
or LIBT 325	Internet Research Skills (3)	
LIBT 330	Library Technical Processes	3
LIBT 331	Library Cataloging Procedures	3
LIBT 333	Library/Media Materials and Equipment	1
LIBT 343	Library Public Services	3
LIBT 345	Library Teamwork and Supervision	2
LIBT 110	Job Search Skills	1
A minimum of 2 units from the following:		2
LIBT 498	Work Experience in Library and Information Technology (0.5 - 4)	
A minimum of 1 unit from the following:		1
WEXP 498	Work Experience in (Subject) (1 - 4)	
or LIBT 498	Work Experience in Library and Information Technology (0.5 - 4)	
Total Units:		**24**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe the philosophical and legal foundations of libraries and the history, mission, roles, and organization of various types of libraries and networks.
- examine and analyze the ethical, legal, and socio-political issues surrounding information and information technology and the basic laws, standards, and governance that pertain specifically to libraries and the Internet.
- evaluate materials and electronic resources, construct and implement effective search strategies, and select the most appropriate information retrieval systems to meet library user needs.
- apply standard methods of selecting/deselecting, acquiring, preparing, organizing (cataloging and classifying), maintaining, and circulating library materials.
- describe the role technology plays in the creation, retrieval, and delivery of library resources and services.
- select, use, and maintain appropriate equipment for library functions and services; perform basic troubleshooting.
- manage a small library, a school library media center, or a department within a library.
- understand the history of the Internet, how it functions, ethical issues relating to it, and how to use informational resources on the Internet to do research.
- prepare for a job search in the library profession, create related application materials such as a resume and cover letter, and practice interviewing for a library position.

Career Information

Almost every community in the nation has a library. In the greater Sacramento area alone, there are almost 200 libraries of various kinds employing professional librarians and library clerks and technicians. Jobs are available in public, school, businesses, and special libraries as well as in media centers.

School Library Media Center Certificate

The School Library Media Center Certificate is designed to prepare students with the skills and knowledge needed to run a school library media center. Students with little or no experience working in libraries will gain a valuable understanding of common job requirements for work in school library media centers. Students who are currently employed in school libraries will gain an improved understanding of their jobs and potentially increase their employment opportunities.

Certificate Requirements

Course Code	Course Title	Units
LIBT 100	Introduction to Library and Information Technology	1
LIBT 110	Job Search Skills	1
LIBT 300	Introduction to Library Services	2
LIBT 325	Internet Research Skills	3
LIBT 330	Library Technical Processes	3
LIBT 331	Library Cataloging Procedures	3
LIBT 333	Library/Media Materials and Equipment	1
LIBT 340	Running a School Library Media Center	3
LIBT 341	Library Services for Children and Youth	3
LIBT 343	Library Public Services	3
LIBT 345	Library Teamwork and Supervision	2
A minimum of 2 units from the following:		2
WEXP 498	Work Experience in (Subject) (1 - 4)	
or LIBT 498	Work Experience in Library and Information Technology (0.5 - 4)	
Total Units:		**27**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- manage a school library media center.
- describe the skills and personal qualities that make an effective library paraprofessional.
- describe the philosophical and legal foundations of libraries and the history, mission, roles, and organization of various types of libraries and networks.
- describe the processes required for acquiring and maintaining a library collection.
- identify the most appropriate methods for providing library services to a diverse clientele.
- understand the history of the Internet, how it functions, ethical issues relating to it, and how to use informational resources on the Internet to do research.
- select, use, and maintain appropriate equipment for library functions and services; perform basic troubleshooting.

Career Information

There are a large number of job opportunities for School Library Media Center Assistants in the Sacramento region. There are multiple school districts in Sacramento County alone. Most K-12 school sites have a school library media center, and school administrators are interested in well trained library staff to run these facilities.

Library (LIBR) Courses

LIBR 305 Legal Information Resources

Units: 0.5
Hours: 9 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) or placement through the assessment process. Basic familiarity with computers is recommended for this course.
Transferable: CSU

This course will explore both print and electronic legal information resources. Students will gain a general understanding of the legal system in the United States and the associated legal resources. They will learn how to analyze topics, define information needs, and utilize appropriate legal resources. It is designed for people working in libraries with legal resources, students who might be doing legal research, or individuals interested in the legal field.

LIBR 307 Medical Information Resources

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course.
Transferable: CSU

This course will explore print and electronic sources of medical information. It is designed for people working in libraries with medical resources or individuals interested in the medical field.

LIBR 318 Library Research and Information Literacy

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course.
Transferable: CSU; UC
General Education: AA/AS Area III(b)

This course provides students with the information competency skills necessary for research and information evaluation. Students will delve into the academic research process as well as gain insight into the vast world of information. The skills acquired in this course are applicable to academic research, on-the-job research, and lifelong learning.

LIBR 325 Internet Research Skills

Same As: LIBT 325
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition)with a grade of "C" or better or placement through the assessment process. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU; UC
General Education: AA/AS Area III(b)

This course is an introductory survey to the content, use, and the evaluation of electronic information sources. Emphasis is placed on the effective use of the Internet as a research tool. This course covers free Internet search tools as well as subscription databases and emerging technologies. Searching strategies are covered as are techniques for selecting appropriate search tools for different research needs. Historical and social issues surrounding the Internet are also discussed. This course will also discuss the use of Internet technologies in libraries. The Internet seeking and evaluation skills learned in this class are critical for anyone who is seeking employment in a library setting. Credit may be awarded for LIBR 325 or LIBT 325, but not for both.

LIBR 495 Independent Studies in Library

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among college, faculty, and students. Independent study in Library coursework allows students to investigate and explore areas of interest in the field.

LIBR 499 Experimental Offering in Library

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Library and Information Technology (LIBT) Courses

LIBT 100 Introduction to Library and Information Technology

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.

This course is designed to introduce students to the Library and Information Technology Program at Sacramento City College and to the culture and expectations of the library profession as a whole. Topics will include an overview of the library profession and important skills used by library paraprofessionals such as effective communication and basic computer skills. Students will also learn to use the college's learning management system, library catalog, and databases. Students should plan on taking this course in conjunction with or before they begin LIBT 300.

LIBT 110 Job Search Skills

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.

This course will prepare students for a successful job search in any field. Utilizing traditional and electronic methods; students will research job opportunities in their chosen profession; identify key workplace skills; learn best practices for writing applications; resumes; and cover letters; learn relevant career networking skills; and practice interviewing techniques.

LIBT 300 Introduction to Library Services

Units: 2
Hours: 36 hours LEC
Prerequisite: LIBT 100 with a grade of "C" or better OR current enrollment in LIBT 100.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

This course is designed for persons interested in exploring paraprofessional library employment and for students interested in understanding the use of library resources. The course covers the history and types of libraries and information providers; an overview of library services including reference and technical services; instruction and practice in the use of library classification systems; equity and diversity in library settings; current issues in libraries and library employment opportunities. Three field trips to local libraries and archives or alternative assignments will be required.

LIBT 325 Internet Research Skills

Same As: LIBR 325
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU; UC
General Education: AA/AS Area III(b)

This course is an introductory survey to the content, use, and the evaluation of electronic information sources. Emphasis is placed on the effective use of the Internet as a research tool. This course covers free Internet search tools as well as subscription databases and emerging technologies. Searching strategies are covered as are techniques for selecting appropriate search tools for different research needs. Historical and social issues surrounding the Internet are also discussed. This course will also discuss the use of Internet technologies in libraries. The Internet seeking and evaluation skills learned in this class are critical for anyone who is seeking employment in a library setting. Credit may be awarded for LIBR 325 or LIBT 325, but not for both.

LIBT 330 Library Technical Processes

Units: 3
Hours: 54 hours LEC
Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

This course will introduce the student to the work in a library technical services department. A primary focus will be duties and responsibilities of the library paraprofessional with regard to acquisitions processes (selection, verification, ordering, and receiving). Also included is an overview of other technical services responsibilities, such as cataloging and catalog maintenance.

LIBT 331 Library Cataloging Procedures

Units: 3
Hours: 54 hours LEC
Prerequisite: LIBT 100, 300, and 330 with grades of "C" or better
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process.

Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

This course will introduce the student to the rules and practices of cataloging. The course includes the study of both descriptive and subject cataloging and classification systems. The course will also cover the formats required for both computerized and traditional catalog records.

LIBT 333 Library/Media Materials and Equipment

Units: 1
Hours: 18 hours LEC
Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

This is a survey course in the understanding, use, and care of electronic media materials and equipment used in libraries. The course includes the utilization of computers and computer networks, audio, video and related technologies. A field trip to a local library or alternative assignments may be required.

LIBT 340 Running a School Library Media Center

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

This course on the school library media center provides a broad overview of its philosophy, history, function, and relationship to elementary and secondary schools. The course covers collections, technology, programming, marketing and public relations, budgeting, professional development, staffing, organization, advocacy, equity and diversity, and the relationship between the library program and the school curriculum. A field trip to a local school library media center or alternative assignments may be required.

LIBT 341 Library Services for Children and Youth

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

This course will be an exploration of the traditional and electronic resources essential to working effectively with children and adolescents. Material selection and evaluation, information literacy, and programming will be related to classic and popular literature and media, equity, diversity, multiculturalism, and other contemporary subjects. Students will experience storytelling, book talking, program preparation, and other ways of sharing literature with children and youth. A field trip to a local library or an alternative assignment may be required.

LIBT 342 Libraries in Correctional Settings

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

This course is designed to provide students with an overview of the main skills, requirements, and knowledge expected of staff members working in correctional libraries. Topics include the history and current state of correctional libraries, collection development and management, library staffing in correctional settings, literacy improvement opportunities, and legal issues.

LIBT 343 Library Public Services

Units: 3
Hours: 54 hours LEC
Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

This course acquaints students with library access and reference services, including the different aspects of interacting with library patrons in a public environment and providing them with access to library collections. Students will learn to select and successfully utilize the appropriate resource to assist library patrons with questions and finding information. Students will also learn about circulation systems, security, collection maintenance, and resource sharing in libraries. Ethical issues in libraries such as intellectual property, privacy, equity, and diversity will also be addressed. Field trips to local libraries or alternative assignments will be required. Students will be required to be on campus for a specific number of class sessions.

LIBT 345 Library Teamwork and Supervision

Units: 2
Hours: 36 hours LEC
Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better or placement through the assessment process. Basic familiarity with computers is recommended for this

course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

In this course, students will be introduced to basic skills and competencies needed to operate a school library media center, small library, or department within a large library. The course includes working within an organization, effective communication, planning and organization, time management, marketing and public relations, customer service, budgeting, operational manuals and reports, problem behavior, disaster preparedness, and the principles of supervision. Visits to local libraries or alternative assignments may be required.

LIBT 494 Topics in Library and Information Technology

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to enable library technology students to learn about recent developments in the library field. Selected topics would not include those that are part of current course offerings.

LIBT 495 Independent Studies in Library and Information Technology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement among college, faculty, and students. Independent studies in Library and Information Technology allow students to investigate and explore areas of interest in the field.

LIBT 498 Work Experience in Library and Information Technology

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: LIBT 100, 300, 330, and 343 with grades of "C" or better; LIBT 331 with a grade of "C" or better OR current enrollment in LIBT 331.
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.
Advisory: ENGWR 300 (College Composition); or ESLR 320 (Advanced-Low Reading) and ESLW 320 (Advanced-Low Writing) with grades of "C" or better; or placement through the assessment process. Basic familiarity with computers is recommended for this course. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.
Transferable: CSU

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

LIBT 499 Experimental Offering in Library and Information Technology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Mathematics and Statistics

The mathematics program provides students the opportunity to complete the lower-division coursework required for four-year programs in mathematics. For students who plan to transfer, completion of the CSU General-Breadth or IGETC general education pattern is encouraged. It is highly recommended that students meet with a counselor because major and general education requirements vary for each college/university. These courses also fulfill general education requirements for allied health, biological sciences, physical sciences, computer science and engineering.

Recommended course sequences, depending on your Math Placement (https://scc.losrios.edu/admissions/placement/math-and-statistics-placement):

- Math Course Pathway for STEM Majors (scc/main/doc/3-Academics/2-Programs-and-Majors/Math-Stats/math-course-sequence-stem-majors.pdf)
- Business Majors and Students Using MATH 300/STAT 300 to Satisfy GE Requirements (scc/main/doc/3-Academics/2-Programs-and-Majors/Math-Stats/math-course-sequence-stat-300-math-300-business.pdf)

Degrees Offered

A.S.-T. in Mathematics

A.S. in Mathematics

Dean Angelena Lambert

Department Chair Renee Medina

Phone (916) 558-2202

Email Rebeca.Rodriguez@scc.losrios.edu

Associate Degrees for Transfer

A.S.-T. in Mathematics

The mathematics program provides students the opportunity to complete the lower-division coursework required for four-year programs in mathematics. This program is for students who plan to transfer to a California State University (CSU). Completion of the CSU General-Breadth or IGETC general education pattern is required. It is highly recommended that students meet with a counselor because major and general education requirements vary for each college/university.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
MATH 400	Calculus I	5
MATH 401	Calculus II	5
MATH 402	Calculus III	5
MATH 410	Introduction to Linear Algebra	3
MATH 420	Differential Equations	4
Total Units:		**22**

The Associate in Science in Mathematics for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain and apply basic concepts of single variable calculus including various forms of derivatives and integrals, their interconnections, and their uses in analyzing and solving real-world problems.
- explain and apply basic concepts of multivariable calculus, linear algebra, or differential equation techniques, their interconnections, and their uses in analyzing and solving real-world problems.
- write logical proofs of basic theorems.

Career Information

Mathematicians work as statisticians, analysts, computer programmers, actuaries, researchers, planners, and educators. This major is designed to meet the lower-division requirements for most bachelor's degrees in Mathematics.

Associate Degrees

A.S. in Mathematics

The mathematics program provides students the opportunity to complete the lower-division coursework required for four-year programs in mathematics. For students who plan to transfer, completion of the CSU General-Breadth or IGETC general education pattern is encouraged. It is highly recommended that students meet with a counselor because major and general education requirements vary for each college/university. These courses also fulfill general education requirements for allied health, biological sciences, physical

sciences, computer science, and engineering.

Note: Students planning to transfer to four-year institutions are advised to meet with a counselor for general education requirements.

Note: The University of California has a credit restriction on certain combinations of mathematics courses. See counselor for detailed information on current UC Transferable Course Agreement.

Degree Requirements

Course Code	Course Title	Units
MATH 400	Calculus I	5
MATH 401	Calculus II	5
MATH 402	Calculus III	5
MATH 410	Introduction to Linear Algebra	3
MATH 420	Differential Equations	4
A minimum of 3 units from the following:		3
CISP 360	Introduction to Structured Programming (4)	
CISP 400	Object Oriented Programming with C++ (4)	
CISP 401	Object Oriented Programming with Java (4)	
ENGR 405	Engineering Problem Solving (3)	
PHIL 325	Symbolic Logic (3)	
STAT 300	Introduction to Probability and Statistics (4)	
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
Total Units:		**25**

The Mathematics Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain and apply basic concepts of single variable calculus including various forms of derivatives and integrals, their interconnections, and their uses in analyzing and solving real-world problems.
- explain and apply basic concepts of multivariable calculus, linear algebra, or differential equation techniques, their interconnections, and their uses in analyzing and solving real-world problems.
- write logical proofs of basic theorems.
- analyze and evaluate various theoretical and real-world problems and analyze existing solutions or create and evaluate novel solutions using mathematics, logic, and technology as appropriate.

Career Information

Mathematicians work as statisticians, analysts, computer programmers, actuaries, researchers, planners, and educators. This major is designed to meet the lower-division requirements for most bachelor's degrees in Mathematics.

Mathematics (MATH) Courses

MATH 14 Preparation for Math - Success Academy

Units: 1
Hours: 18 hours LEC
Prerequisite: Placement through the assessment process.

This course provides an introduction to student learning expectations and the outcomes of higher education. This course has a specific focus on math preparation through the implementation of individualized group instruction for students. This course is primarily intended for students who will be taking an Arithmetic, Pre-Algebra, Elementary Algebra, or Intermediate Algebra course in the upcoming semester.

MATH 27 Self-Paced Basic Skills Mathematics

Units: 0.5 - 2
Prerequisite: None.

This is a self-paced course in basic mathematics skills including the basic operations of addition, subtraction, multiplication, and division applied to the whole numbers, fractions, and decimals. This course is graded Pass/No Pass. Credit is earned in one-half unit increments and is dependent on progress in the course and class participation. This is an open-entry/open-exit course which may be taken for a maximum of two units. This course does not fulfill the learning skills requirement for graduation.

MATH 28 Basic Skills Mathematics

Units: 3
Hours: 54 hours LEC; 18 hours LAB
Prerequisite: None.

This is a lecture course with lab time in basic mathematics skills including the basic operations of addition, subtraction, multiplication, and division applied to the whole numbers, fractions, and decimals. This course does not fulfill the learning skills requirement for graduation.

MATH 34 Pre-algebra

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 28 with a “C” or better, or completion of the MATH 27 curriculum (80% or higher on all six chapter tests), or placement through the assessment process.

The emphasis in this course will be on skills necessary for success in elementary algebra. Course content will include review of fundamentals of arithmetic including whole numbers, common fractions, decimal fractions, and percentages. Other topics include order of operations, signed numbers, complex fractions, exponents, and scientific notation. There will be an introduction to the algebra of polynomials and/or an introduction to graphing lines, as time permits.

MATH 80 Mathematics Study Skills

Units: 1
Hours: 18 hours LEC

Prerequisite: MATH 28 with a grade of "C" or better, or completion of the MATH 27 curriculum (80% or higher on all six chapter tests), or placement through the assessment process, or concurrent enrollment in either MATH 27 or MATH 28.
Advisory: ENGRD 110 with a grade of "C" or better

This course will help students increase their motivation and confidence and maximize their abilities in any mathematics course. Students will consider their current levels of math and test anxieties and make progress in lowering them to a productive level. Students will gain strategies to overcome barriers to mathematical success. Specific concepts will be designed for the current level of each student. This course is primarily intended for students who will be taking another mathematics or statistics course concurrently, but students may also take this course as preparation before enrolling in a mathematics or statistics course. This course is graded as Pass/No Pass.

MATH 100 Elementary Algebra

Units: 5
Hours: 90 hours LEC
Prerequisite: MATH 34 with a grade of "C" or better, or placement through the assessment process.

This course includes the fundamental concepts and operations of algebra with problem solving skills emphasized throughout. Topics include properties of real numbers, linear equations and inequalities, integer exponents, polynomials, polynomial factorization, rational expressions and equations, radical expressions and equations, rational exponents, systems of linear equations and inequalities, the rectangular coordinate system, graphs and equations of lines, and quadratic equations.

MATH 103 Elementary Algebra, Part I

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 34 with a grade of "C" or better, or placement through the assessment process.

This course will cover the first half of the traditional MATH 100 course. Topics include: properties of real numbers, linear equations and inequalities, integer exponents, polynomials, systems of linear equations and inequalities, the rectangular coordinate system, graphs and equations of lines, and applications.

MATH 104 Elementary Algebra, Part II

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 103 or 134 with a grade of "C" or better

This course covers the second half of the traditional MATH 100 course. Topics include: polynomial factorization, rational expressions and equations, radical expressions and equations, rational exponents, quadratic equations, and applications.

MATH 109 Fundamentals of Algebra for Liberal Arts Mathematics and Statistics

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 34 with a grade of "C" or better, or placement through the assessment process.

This course consists of elements of beginning and intermediate algebra needed for STAT 300, MATH 300, or MATH 310. Topics include modeling using expressions, equations, functions, and graphs; polynomial inequalities. Note: This course is not intended for students pursuing business or STEM majors and who plan to take courses in science, computer information science, engineering, mathematics, physics, chemistry, business or economics.

MATH 110 Elementary Geometry

Units: 5
Hours: 90 hours LEC
Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b)

This course introduces Euclidean Geometry. Topics include sets, definitions, postulates, theorems, deductive and inductive reasoning, proof, parallel lines, triangles, polygons, congruence, similarity, constructions, the Pythagorean Theorem, right triangle trigonometry, circles, analytic geometry, and elementary solid geometry.

MATH 120 Intermediate Algebra

Units: 5
Hours: 90 hours LEC
Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b)

This course reviews and extends the concepts of elementary algebra, with problem solving skills emphasized throughout. Topics that are reviewed and extended include linear and quadratic equations, factoring polynomials, rational expressions, exponents, radicals, equations of lines, and systems of equations. New topics include graphs and their translations and reflections, functions, exponential and logarithmic functions, graphs of quadratic functions, conic sections, nonlinear systems of equations, polynomial, rational, and absolute value inequalities, sequences, series, and the Binomial Theorem.

MATH 121 Intermediate Algebra with Lab

Units: 5
Hours: 90 hours LEC; 18 hours LAB
Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.

This is an intermediate algebra course designed for students who need more classroom time in order to be successful in algebra. This course reviews and extends the concepts of elementary algebra with problem solving skills emphasized throughout. Topics that are reviewed and extended include linear and quadratic equations, factoring polynomials, rational expressions, exponents, radicals, equations of lines, and systems of equations. New topics include graphs and their translations and reflections, functions, exponential and logarithmic functions, graphs of quadratic functions, conic sections, nonlinear systems of equations, polynomial, rational, and absolute value inequalities, sequences, series, and The Binomial Theorem.

MATH 123 Intermediate Algebra, Part I

Units: 3

Hours: 54 hours LEC
Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.

This course will cover the first half of the traditional MATH 120 course. Topics include solving linear equations and inequalities, factoring of polynomials, rational expressions, exponents, radicals, solving equations containing rational and radical expressions, equations of lines, functions and absolute value equations and inequalities, and complex numbers.

MATH 124 Intermediate Algebra, Part II

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 123 with a grade of "C" or better
General Education: AA/AS Area II(b)

This course will cover the second half of the traditional MATH 120 course. Topics include quadratic expressions, equations, inequalities and graphs, conic sections, linear and nonlinear systems of equations, composite and inverse functions, exponential and logarithmic functions, and sequences and series.

MATH 134 Prealgebra and Algebra for Statistics Part I

Units: 6
Hours: 108 hours LEC
Prerequisite: MATH 27 or 28 with a grade of "C" or better, or placement through the assessment process.

This is the first part of a two-course sequence preparing students for a course in Elementary Statistics. This course covers the arithmetic of whole, signed, fractional, mixed, and decimal numbers, linear equations in one variable, lines and linear equations in two variables, systems of equations in two variables, and arithmetic operations on polynomials. This course is not intended as preparation for Trigonometry.

MATH 135 Prealgebra and Algebra for Statistics Part II

Units: 6
Hours: 108 hours LEC
Prerequisite: MATH 100, 103, or 134 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b)

This is the second part of a two-course sequence preparing students for a course in Elementary Statistics. This course covers polynomial factoring, rational expressions and equations, radical expressions and equations, the algebra of functions, graphs of elementary functions, modelling with functions, exponential and logarithmic functions, systems of equations in three variables, solving quadratic equations, and summation notation. This course is only intended as preparation for STAT 300 and MATH 300.

MATH 140 Mathematics Competency

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b)

This course introduces students to everyday uses of mathematics. Topics will include measurement systems, reasoning and logic, elections, inflation and other indexes, chance and risk, and finances. Students will conclude the course by selecting a module of mathematical interest from a list of available topics drawn from career technical programs and contemporary careers including but not limited to nursing, occupational therapy, flight technology, and cosmetology.

MATH 170 Algebra Review for Calculus

Units: 2
Hours: 36 hours LEC
Prerequisite: None.

This is a review of college preparatory high school algebra. It includes the necessary skills for success in higher mathematics courses including calculus. Topics include real numbers, linear equations and inequalities, properties of lines, absolute values, polynomials and factoring, rational expressions, exponents, quadratic equations, and functions.

MATH 295 Independent Studies in Mathematics

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This is an independent studies course. The topics are to be arranged between the instructor and the student.

MATH 299 Experimental Offering in Mathematics

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

MATH 300 Introduction to Mathematical Ideas

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 109, 120, 121, 124, or 135 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course is intended to help the non-Mathematics major student relate to the spirit of mathematics through a study of some engaging ideas of mathematics. Several specific topics will be chosen from: numeration systems, logic, sets, number theory, algebraic modeling, geometry, combinatorics, probability, statistics, consumer mathematics, graph theory, voting and apportionment, matrices, and perhaps others. This course is not recommended for students entering elementary school teaching or for business administration majors.

MATH 310 Mathematical Discovery

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 109, MATH 120, MATH 121, MATH 124, or MATH 135 with a grade of "C" or better or placement through

the assessment process; AND MATH 110 or two semesters of high school Geometry with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4

This course is designed to introduce students to the spirit of mathematics by involving them in aspects of mathematical processes of exploration, conjecture, and proof. Students will examine mathematical patterns and relations, formulate conjectures, and prove their conjectures. Educational standards and issues are a focus throughout the content of the course. Areas of mathematics from which content may be derived include number theory, statistics, probability, geometry, and sequences and series. This course is recommended for students interested in a career in education.

MATH 335 Trigonometry with College Algebra

Units: 5
Hours: 90 hours LEC
Prerequisite: MATH 120, 121 or MATH 124 with a grade of "C" or placement through the assessment process; AND MATH 110 or a college Geometry course or two semesters of high school Geometry with a grade of "C" or better.
Transferable: CSU
General Education: AA/AS Area II(b); CSU Area B4
C-ID: C-ID MATH 851

This is a full trigonometry course with algebra concepts reviewed, extended, and integrated when they are relevant to the trigonometric concepts. The trigonometric topics include right triangle trigonometry, unit circle trigonometry, graphs of trigonometric functions, proofs of trigonometric identities, solving trigonometric equations, applications of trigonometric functions (laws of sines and cosines), inverse trigonometric functions, the polar coordinate system, and vectors. The algebra topics include translations and stretches of graphs, graphs of polynomial and rational functions, domain and range, even and odd functions, inverse functions, simplifying and factoring expressions, and equation solving.

MATH 340 Calculus for Business and Economics

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 120, 121, or 124 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 140

The content of this course includes review of the logarithmic and exponential functions, intuitive introduction to limits, and development of the derivative and definite integral. Application of these concepts to economics and business will be emphasized.

MATH 342 Modern Business Mathematics

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 120, 121, or 124 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course is designed around applications of mathematics in economic and business contexts. Specific topics will include functions and related business formulas, tables and graphs, finance (interest, annuities, and exponential models in economics), rates of change including applications and optimization, and linear programming.

MATH 350 Calculus for the Life and Social Sciences I

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 335 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course is an introduction to calculus. Topics include functions, trigonometric functions, limits, analytic geometry, and differential calculus with applications to biological and social sciences. This course is intended for students majoring in the biological and social sciences and some business majors.

MATH 351 Calculus for the Life and Social Sciences II

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 350 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course is a continuation of MATH 350. Topics include: definite and indefinite integrals, power series, analytic geometry, multivariate calculus, and differential equations, with applications to life and social sciences.

MATH 352 Calculus for the Life and Social Sciences III

Units: 2
Hours: 36 hours LEC
Prerequisite: MATH 351 with a grade of "C" or better or concurrent enrollment in MATH 351
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4

This course, along with MATH 350 and MATH 351, completes the UC calculus sequence for some biology and medicine majors. The topics include solving first-order linear differential equations using integrating factors, equilibria and stability, matrices, eigenvalues and eigenvectors, analytic geometry, directional derivatives and gradient vectors, chain rule for functions of several variables, optimization and applications, theory, modeling and applications of linear and nonlinear systems of ordinary differential equations, permutations and combinations, probability, conditional probability, independence, and Bayes' formula and applications.

MATH 355 Calculus for Biology and Medicine I

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 373 with a grade of "C" or better, or placement through the assessment process.
Advisory: MATH 372 with a grade of "C" or better
Transferable: UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course is an introduction to differential calculus and elementary differential equations via applications in biology and medicine. It covers limits, derivatives of polynomials, trigonometric and exponential functions, graphing, and applications of the derivative to biology and medicine. Topics include the Fundamental Theorem of Calculus and techniques of integration, including integral tables and numerical methods. This course does not meet the prerequisite for PHYS 410.

MATH 356 Calculus for Biology and Medicine II

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 355 with a grade of "C" or better, or placement through the assessment process.
Transferable: UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course is the continuation of MATH 355. It covers matrix algebra with eigenvalues and eigenvectors, systems of linear equations, functions of several variables, partial derivatives, systems of differential equations, probability, and applications to biology and medicine. This course does not meet the prerequisite for PHYS 410 or PHYS 420.

MATH 370 Pre-Calculus Mathematics

Units: 5
Hours: 90 hours LEC
Prerequisite: MATH 335 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course is designed to prepare students for MATH 400, 401, and 402. A brief review is followed by an in-depth extension of the properties of polynomial, rational, exponential, logarithmic, and trigonometric functions. Additional topics include inequalities, systems of non-linear equations, conic sections, sequences and series, analytic geometry, polar and parametric equations, and matrices. Graphing calculators may be required for this course.

MATH 372 College Algebra for Calculus

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 120 or 124 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course provides a rigorous treatment of college-level algebra and its applications, with a particular focus on preparing students for the calculus sequence for Science, Technology, Engineering, and Mathematics (STEM) majors. Topics include polynomial, rational, radical, exponential, absolute value, and logarithmic functions, graphs, and equations; systems of equations; the theory of polynomial equations; analytic geometry including conics; sequences and series; and mathematical induction. Emphasis is given to analytical reasoning and problem-solving. This course may be taken concurrently with MATH 373, Trigonometry for Calculus. Completion of both MATH 372 AND MATH 373 with grades of "C" or better meets the prerequisite for MATH 400, Calculus I.

MATH 373 Trigonometry for Calculus

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 120 or 124 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 851

This course provides a rigorous treatment of trigonometry and its applications, with a particular focus on preparing students for the calculus sequence for Science, Technology, Engineering, and Mathematics (STEM) majors. Topics include right triangle trigonometry, unit circle trigonometry, graphs of trigonometric functions, proofs of trigonometric identities, solving trigonometric equations, applications of trigonometric functions (laws of sines and cosines), inverse trigonometric functions, the polar coordinate system, and vectors. Emphasis is given to analytical reasoning and problem-solving. This course may be taken concurrently with MATH 372, College-Algebra for Calculus. Completion of both MATH 372 AND MATH 373 with grades of "C" or better meets the prerequisite for MATH 400, Calculus I.

MATH 400 Calculus I

Units: 5
Hours: 90 hours LEC
Prerequisite: MATH 372 and MATH 373, or MATH 370 or placement through the assessment process
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 210

This course explores the basic concepts of analytic geometry, limits (including indeterminate forms), derivatives, and integrals. The topics covered will include graphs, derivatives, and integrals of algebraic, trigonometric, exponential, logarithmic, and hyperbolic functions. Standard proofs will be covered, such as delta-epsilon proofs and proofs of some theorems. Applications will be covered, including those involving rectilinear motion, differentials, related rates, graphing, and optimization.

MATH 401 Calculus II

Units: 5
Hours: 90 hours LEC
Prerequisite: MATH 400 with a grade of "C" or better
Transferable: CSU; UC

General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 220

This course is a continuation of MATH 400. Topics covered will include techniques of integration, numerical integration, improper integrals, infinite series, parametric equations, polar coordinates, and possibly conic sections. Many applications will be covered including those involving areas between plane regions, volumes of revolution, work, moments and centers of mass, average value, arc length, and surface area.

MATH 402 Calculus III

Units: 5
Hours: 90 hours LEC
Prerequisite: MATH 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 230

This course extends the concepts of limits, derivatives, and integrals to vector-valued functions and functions of more than one variable. The topics covered include three-dimensional analytic geometry and vectors, partial derivatives, multiple integrals, line integrals, surface integrals, and the theorems of Green, Gauss (Divergence), and Stokes. Many applications of calculus are included.

MATH 410 Introduction to Linear Algebra

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 250

This course is an introductory course in linear algebra. Topics include matrices, determinants, systems of equations, vector spaces, linear transformations, eigenvectors, and applications. Proofs of elementary theorems of basic linear algebra will be covered. The course is intended for majors in mathematics, engineering, science, and related fields.

MATH 420 Differential Equations

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 240

This course will cover the theory and applications of solutions to ordinary differential equations and systems of ordinary differential equations. Students will be introduced to various topics useful in the solution of these differential equations including power series, Laplace transforms, matrices, eigenvalues and eigenvectors, and numerical methods.

MATH 494 Topics in Mathematics

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Transferable: CSU

This course provides the ability to take a course in mathematics that covers topics that are not part of the regular curriculum. This course may only be taken once, even if course offerings cover different topics. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions

MATH 495 Independent Studies in Mathematics

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This is an independent studies course. The topics are to be arranged between the instructor and the student. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions

MATH 499 Experimental Offering in Mathematics

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Mathematics Support (MATHS) Courses

MATHS 20 Support for Intermediate Algebra

Units: 3
Hours: 54 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: MATH 120

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 120, Intermediate Algebra. Topics and homework assignments are often connected to the students' assignments in MATH 120. Students who completed this topic as MATHS 299 are not eligible to take this course. This course is graded as Pass/No Pass. This course was formerly known as MATHS 120.

MATHS 35 Support for Trigonometry with College Algebra

Units: 3
Hours: 54 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: MATH 335

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 335: Trigonometry with College Algebra. Topics and homework assignments are often connected to the students' assignments in MATH 335. The course includes applications of the concepts and skills covered. Students who completed this topic as MATHS 299 are not eligible to take this course. This course is graded as Pass/No Pass. This course was formerly known as MATHS 135.

MATHS 40 Support for Calculus for Business and Economics

Units: 3
Hours: 54 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: MATH 340

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Calculus for Business and Economics (MATH 340). Topics and homework assignments are often connected to the students' assignments in MATH 340. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass. Students who have taken this course as MATHS 299 are not eligible to take this course. This course was formerly known as MATHS 140.

MATHS 42 Support for Modern Business Mathematics

Units: 3
Hours: 54 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: MATH 342

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Modern Business Mathematics. Topics and homework assignments are often connected to the students' assignments in MATH 342. The course includes applications of the concepts and skills covered. Students who completed this topic as MATHS 299 are not eligible to take this course. This course is graded as Pass/No Pass. This course was formerly known as MATHS 142.

MATHS 70 Support for College Algebra for Calculus

Units: 3
Hours: 54 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: MATH 372

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 372: College Algebra for Calculus. Topics and homework assignments are often connected to the students' assignments in MATH 372. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass. This course was formerly known as MATHS 172.

MATHS 71 Support for Trigonometry for Calculus

Units: 2
Hours: 36 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: MATH 373

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 373: Trigonometry for Calculus. Topics and homework assignments are often connected to the students' assignments in MATH 373. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass. This course was formerly known as MATHS 173.

MATHS 95 Support for Introduction to Mathematical Ideas

Units: 2
Hours: 36 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: MATH 300

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Introduction to Mathematical Ideas. Topics and homework assignments are often connected to the students' assignments in MATH 300. Students who completed this topic as MATHS 299 are not eligible to take this course. This course is graded as Pass/No Pass. This course was formerly known as MATHS 100.

MATHS 96 Support for Mathematical Discovery

Units: 2
Hours: 36 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: MATH 310

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Mathematical Discovery (MATH 310). Topics and homework assignments are often connected to the students' assignments in MATH 310. This course is graded as Pass/No Pass. This course was formerly known as MATHS 110.

MATHS 299 Experimental Offering in Mathematics Support

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

MATHS 499 Experimental Offering in Mathematics Support

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Statistics (STAT) Courses

STAT 10 Support for Introduction to Probability and Statistics

Units: 2
Hours: 36 hours LEC
Prerequisite: Placement through the assessment process.
Corequisite: STAT 300

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Introduction to Probability and Statistics (STAT 300). Topics and homework assignments are often connected to the students' assignments in STAT 300. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass. Students who have taken this course as MATH 299 are not eligible to take this course. This course was formerly known as STAT 110.

STAT 100 Pre-Statistics

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 34 with a grade of "C" or better, or placement through the assessment process.

This course prepares students for transfer-level Statistics. Topics include ratios, rates, and proportional reasoning; arithmetic with fractions, decimals and percents; evaluating expressions, solving equations, and analyzing formulas to understand statistical measures; use of linear and exponential functions to model bivariate data; graphical and numerical descriptive statistics for quantitative and categorical data. Note: This course is not intended for students who plan to take courses in science, computer information science, engineering, mathematics, physics, chemistry, or business and economics.

STAT 299 Experimental Offering in Statistics

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

STAT 300 Introduction to Probability and Statistics

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 109, MATH 120, MATH 121, MATH 124, MATH 135, or STAT 100 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 110

This course is an introduction to probability and statistics. Topics include elementary principles and applications of descriptive statistics, counting principles, elementary probability principles, probability distributions, estimation of parameters, hypothesis testing, linear regression and correlation, and ANOVA. Scientific calculators with two-variable statistical capabilities are required for this class.

STAT 480 Introduction to Probability and Statistics - Honors

Units: 4
Hours: 72 hours LEC
Prerequisite: MATH 120, 121, or 124 with a grade of "C" or better, or placement through the assessment process.
Advisory: A 3.0 GPA or better in high school or college, or be eligible to take ENGWR 300
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
C-ID: C-ID MATH 110

This course is an introduction to probability and statistics designed for students in the honors program. Topics include elementary principles and applications of descriptive statistics, counting principles, elementary probability principles, probability distributions, estimation of parameters, hypothesis testing, linear regression and correlation, and ANOVA. Scientific calculators with two-variable statistical capabilities may be required for this class. This honors section uses an intensive instructional methodology designed to challenge motivated students. Credit will be awarded for either STAT 480 or STAT 300, not both.

STAT 495 Independent Studies in Statistics

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This is an independent studies course. The topics are to be arranged between the instructor and the student. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

STAT 499 Experimental Offering in Statistics

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Math Course Sequence

This chart describes the SCC math sequence of courses for program requiring statistics or students using statistics to satisfy GE, student using MATH 300 to satisfy GE, or students majoring in business. Contact a counselor for complete information.
This chart describes the SCC math sequence of courses for programs requiring MATH 355/356 and for programs requiring MATH 400. Contact a counselor for complete information.

Mechanical-Electrical Technology

The Mechanical Electrical Technology Department teaches courses in the design, installing, operating and maintenance of heating, ventilating, air conditioning, and refrigeration systems. The Mechanical-Electrical Department is committed to providing educational opportunities for current and future workforce needs. We strive to maintain the highest educational standards in the Air Conditioning, Heating, Ventilation, Refrigeration, Environmental Control, Building Automation, Renewable and Sustainable Energy, as well as Energy Efficiency and Management.

Degrees and Certificates Offered

A.S. in Mechanical-Electrical Technology

Mechanical Systems Technician Certificate

Mechanical-Electrical Technology Certificate

Commercial Building Energy Auditing and Commissioning Specialist Certificate

Dean Andrea Gaytan

Department Chair Richard Gentry

Phone (916) 558-2250

Email gentryr@scc.losrios.edu

Associate Degree

A.S. in Mechanical-Electrical Technology

MET Program Information

The Mechanical-Electrical Technology (MET) program provides instruction in design, installation, operation, repair, and maintenance of a wide range of mechanical and electrical equipment from small residential equipment to large commercial and industrial facilities. The entire spectrum of mechanical and electrical systems is covered including energy management, mechanical system commissioning, indoor air quality, building automation systems, refrigerant recovery and management, electrical controls, pneumatic controls, electronic controls, instrumentation, and heat pumps. These systems include heating, ventilating, air conditioning, and refrigerating (HVAC/R).

Students will learn the theory and fundamentals of mechanical equipment and be exposed to hands-on training in sophisticated training laboratories. Laboratory equipment that students will work with include a water cooled chiller, cooling towers, steam and hot water boilers, thermal energy storage system, heat reclaim system, power management system, packaged and split system air conditioners, furnaces, and high, medium, and low temperature refrigeration systems. Students will also configure, program, and commission several Direct Digital Control (DDC) Systems, pneumatic systems, variable frequency drive (VFD), and programmable logic controllers (PLC), and work directly on the operating systems in the laboratory facility.

The program includes both day and evening lecture and laboratory class sections. Classes are conducted as both lecture and laboratory. Effective writing, verbal communication, electronic communication, sketching, drafting, mechanical calculations, and computer skills are emphasized across the curriculum.

Recommended High School Preparation

Completion of college preparatory English and general mathematics courses is highly desirable but not required. Courses in drafting, algebra, and computer fundamentals will be beneficial.

Program Costs

In addition to normal student expenses such as tuition and textbooks, MET students must purchase safety glasses for use in laboratory and shop classes. If this fee creates a financial burden, students should consult the Financial Aid Office for possible assistance.

Degree Requirements

Course Code	Course Title	Units
MET 360	Mechanical Systems Maintenance	1.5
MET 256	Fundamentals of Instruments and Electricity	1.5
MET 257	Fundamentals of Workplace Success	1.5
MET 351	Basic Mechanical Systems	5
MET 352	Mechanical Systems Calculations	3
MET 361	Refrigeration Systems	3
MET 362	Refrigeration Systems Calculations	3
MET 363	Refrigerant Transition and Recovery Processes and Procedures	1.5
MET 364	Electrical Controls	3
MET 368	Heat Pump Operation and Maintenance	3
MET 371	Heating and Power Machinery	3
MET 372	Power Machinery, Heating and Air Conditioning Calculations	3
MET 373	Piping, Electrical, and Sheet Metal Drafting	3
MET 374	Automatic Control Systems I	3
MET 381	Air Conditioning	3
MET 383	Instrumentation	3
MET 384	Automatic Control Systems II	3
Total Units:		**47**

The Mechanical-Electrical Technology Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply problem-solving and analytical thinking skills in the maintenance, operation, testing, troubleshooting, and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- utilize tools and equipment in the maintenance, operation, testing, troubleshooting, and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- demonstrate an understanding of the requirements of the Federal Refrigerant Transition and Recovery Certification license examination.
- recognize the importance of proper handling of refrigerants and the environmental impact of improper refrigerant management.
- operate and troubleshoot both a water boiler and low pressure steam boiler system, pumping and piping systems, and related heating equipment.
- design a heating-cooling system for a residential and commercial application from concept to finish.
- explain the operation of chilled water systems, air distribution, variable air volume systems, thermal storage, cooling towers, and energy management.
- explain the concepts related to absorption air conditioning systems, helical-rotary, and centrifugal water chillers.
- demonstrate an understanding of electrical circuits and controls.
- design an electrical control schematic and troubleshoot various electrical equipment.
- utilize freehand sketching and drafting skills for use in field applications.
- demonstrate an understanding of the different types, applications, and proper use of instruments to measure and record temperature, humidity, flow, light, sound, velocity, pressure, combustion emissions, air quality, voltage, level, force, and vibration.
- analyze complex systems of the automatic controls industries.
- design and program Variable Frequency Drives, Programmable Logic Control systems, Direct Digital Control systems, and Pneumatic Control systems.
- explain the theory and demonstrate practical skill sets required of an entry level Building Automation Systems Technician.
- analyze manufacturer’s data of equipment performance and economic factors related to heating, cooling, and refrigeration equipment, and estimate the cost of a refrigeration system installation including materials, labor, and profit.
- solve problems involving heat transfer, heating and cooling loads, air distribution, and psychrometrics of air.
- evaluate and determine the need for periodic equipment maintenance and demonstrate an understanding of a maintenance contract.

Career Information

Upon completion of the MET program, students may find employment in the following industry sectors: government (federal, state, county, and city agencies), health care, commercial air conditioning and refrigeration service/repair, utilities, construction, facilities management, engineering, high technology, food production, and manufacturing. Typical job titles include: stationary engineer, air conditioning and refrigeration technician, maintenance mechanic, boiler operator, automatic control technician, wholesale and manufacturer’s sales representative.

Certificates of Achievement

Mechanical Systems Technician Certificate

The Mechanical Systems Technician Certificate of Achievement provides entry level instruction in design, installation, repair, and maintenance of a wide range of mechanical and electrical equipment from small residential equipment to light commercial buildings. The entry level skills covered included fundamental mechanical and electrical systems including indoor air quality, refrigerant recovery and management, electrical controls, and heat pumps.

Students will learn the theory and fundamentals of mechanical equipment and be exposed to hands-on training in sophisticated training laboratories. Laboratory equipment that students will work with includes high, medium, and low temperature refrigeration systems and electrical systems.

The program includes both day and evening lecture and laboratory class sections. Classes are conducted as both lecture and laboratory. Effective writing, verbal communication, electronic communication, mechanical calculations, and computer skills are emphasized across the curriculum.

Recommended High School Preparation

Completion of college preparatory English and general mathematics courses is highly desirable but not required. Courses in drafting, algebra, and computer fundamentals will be beneficial.

Program Costs

In addition to normal student expenses such as tuition and textbooks, MET students must purchase safety glasses for use in laboratory and shop classes. If this fee creates a financial burden, students should consult the Financial Aid Office for possible assistance.

Certificate Requirements

Course Code	Course Title	Units
MET 360	Mechanical Systems Maintenance	1.5
MET 256	Fundamentals of Instruments and Electricity	1.5
MET 257	Fundamentals of Workplace Success	1.5
MET 351	Basic Mechanical Systems	5
MET 352	Mechanical Systems Calculations	3

Course Code	Course Title	Units
MET 361	Refrigeration Systems	3
MET 362	Refrigeration Systems Calculations	3
MET 363	Refrigerant Transition and Recovery Processes and Procedures	1.5
MET 364	Electrical Controls	3
Total Units:		**23**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and determine the need for periodic equipment maintenance, and demonstrate an understanding of a maintenance contract.
- apply problem-solving and analytical thinking skills in the maintenance, operation, testing, troubleshooting and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- utilize tools and equipment in the maintenance, operation, testing, troubleshooting and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- demonstrate an understanding of the industry required Federal Refrigerant Transition and Recovery Certification license examination.
- recognize and demonstrate the importance of proper handling of refrigerants and the environmental impact of improper refrigerant management.
- explain the basic concepts of electrical circuits and control theory.
- design an electrical control schematic and troubleshoot various electrical equipment.
- utilize freehand sketching and drafting skills for field applications.
- analyze manufacturer’s data of equipment performance and economic factors related to heating, cooling, and refrigeration equipment.
- solve problems involving heating-cooling loads, heat transfer, air distribution, and psychrometrics of air.

Career Information

Upon completion of the Mechanical Systems Technician Certificate of Achievement, students will be qualified for employment in the following industry sectors: government (federal, state, county, and city agencies), health care, utilities, construction, engineering, high technology, food production, and manufacturing. Typical jobs titles include: utility engineer, maintenance mechanic, air conditioning and refrigeration technician, and wholesale and manufacturer’s sales representative.

Mechanical-Electrical Technology Certificate

MET Program Information

The Mechanical-Electrical Technology (MET) program provides instruction in design, installation, operation, repair, and maintenance of a wide range of mechanical and electrical equipment from small residential equipment to large commercial and industrial facilities. The entire spectrum of mechanical and electrical systems is covered including energy management, mechanical system commissioning, indoor air quality, building automation systems, refrigerant recovery and management, electrical controls, pneumatic controls, electronic controls, instrumentation, and heat pumps. These systems include heating, ventilating, air conditioning, and refrigerating (HVAC/R).

Students will learn the theory and fundamentals of mechanical equipment and be exposed to hands-on training in sophisticated training laboratories. Laboratory equipment that students will work with include a water cooled chiller, cooling towers, steam and hot water boilers, thermal energy storage system, heat reclaim system, power management system, packaged and split system air conditioners, furnaces, and high, medium, and low temperature refrigeration systems. Students will also configure, program, and commission several Direct Digital Control (DDC) Systems, pneumatic systems, variable frequency drive (VFD), and programmable logic controllers (PLC), and work directly on the operating systems in the laboratory facility.

The program includes both day and evening lecture and laboratory class sections. Classes are conducted as both lecture and laboratory. Effective writing, verbal communication, electronic communication, sketching, drafting, mechanical calculations, and computer skills are emphasized across the curriculum.

Recommended High School Preparation

Completion of college preparatory English and general mathematics courses is highly desirable but not required. Courses in drafting, algebra, and computer fundamentals will be beneficial.

Program Costs

In addition to normal student expenses such as tuition and textbooks, MET students must purchase safety glasses for use in laboratory and shop classes. If this fee creates a financial burden, students should consult the Financial Aid Office for possible assistance.

Certificate Requirements

Course Code	Course Title	Units
MET 360	Mechanical Systems Maintenance	1.5
MET 256	Fundamentals of Instruments and Electricity	1.5
MET 257	Fundamentals of Workplace Success	1.5
MET 351	Basic Mechanical Systems	5
MET 352	Mechanical Systems Calculations	3
MET 361	Refrigeration Systems	3
MET 362	Refrigeration Systems Calculations	3
MET 363	Refrigerant Transition and Recovery Processes and Procedures	1.5
MET 364	Electrical Controls	3
MET 368	Heat Pump Operation and Maintenance	3
MET 371	Heating and Power Machinery	3

Course Code	Course Title	Units
MET 372	Power Machinery, Heating and Air Conditioning Calculations	3
MET 373	Piping, Electrical, and Sheet Metal Drafting	3
MET 374	Automatic Control Systems I	3
MET 381	Air Conditioning	3
MET 383	Instrumentation	3
MET 384	Automatic Control Systems II	3
Total Units:		**47**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply problem-solving and analytical thinking skills in the maintenance, operation, testing, troubleshooting, and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- utilize tools and equipment in the maintenance, operation, testing, troubleshooting, and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- demonstrate an understanding of the requirements of the Federal Refrigerant Transition and Recovery Certification license examination.
- recognize the importance of proper handling of refrigerants and the environmental impact of improper refrigerant management.
- operate and troubleshoot both a water boiler and low pressure steam boiler system, pumping and piping systems, and related heating equipment.
- design a heating-cooling system for a residential and commercial application from concept to finish.
- explain the operation of chilled water systems, air distribution, variable air volume systems, thermal storage, cooling towers, and energy management.
- explain the concepts related to absorption air conditioning systems, helical-rotary, and centrifugal water chillers.
- demonstrate an understanding of electrical circuits and controls.
- design an electrical control schematic and troubleshoot various electrical equipment.
- utilize freehand sketching and drafting skills for use in field applications.
- demonstrate an understanding of the different types, applications, and proper use of instruments to measure and record temperature, humidity, flow, light, sound, velocity, pressure, combustion emissions, air quality, voltage, level, force, and vibration.
- analyze complex systems of the automatic controls industries.
- design and program Variable Frequency Drives, Programmable Logic Control systems, Direct Digital Control systems, and Pneumatic Control systems.
- explain the theory and demonstrate practical skill sets required of an entry level Building Automation Systems Technician.
- analyze manufacturer's data of equipment performance and economic factors related to heating, cooling, and refrigeration equipment, and estimate the cost of a refrigeration system installation including materials, labor, and profit.
- solve problems involving heat transfer, heating and cooling loads, air distribution, and psychrometrics of air.
- evaluate and determine the need for periodic equipment maintenance and demonstrate an understanding of a maintenance contract.

Career Information

Upon completion of the MET program, students may find employment in the following industry sectors: government (federal, state, county, and city agencies), health care, commercial air conditioning and refrigeration service/repair, utilities, construction, facilities management, engineering, high technology, food production, and manufacturing. Typical job titles include: stationary engineer, air conditioning and refrigeration technician, maintenance mechanic, boiler operator, automatic control technician, wholesale and manufacturer's sales representative.

Certificate

Commercial Building Energy Auditing and Commissioning Specialist Certificate

The Commercial Building Energy Auditing and Commissioning Specialist Certificate of Achievement is designed to meet the high industry demand for the unique skills needed to managing energy and the commissioning of new and existing facilities. The United States Green Building Council has proclaimed commissioning to be mandatory to achieve Leadership in Energy and Environmental Design (LEED) certification. This program will help students meet the Energy and Building Commissioning standards and is designed to help the student learn the information and skills necessary to begin working in the industry. Safety, environmental impact issues, indoor air quality, and equipment maintenance and operation will be emphasized throughout the program.

Certificate Requirements

Course Code	Course Title	Units
MET 391	Mechanical Systems Commissioning	2.5
MET 392	Energy Management and Efficiency for HVAC Mechanical Systems	2.5
MET 393	Commercial Building Energy Audits and Calculations	2.5
MET 396	Air and Water Balance of Mechanical Equipment	2.5
Total Units:		**10**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of the techniques and practices of commissioning controls and mechanical systems that are used in heating, ventilation, air conditioning, pumping, and water treatment.
- apply knowledge of commissioning to better meet entry level and advanced employment standards.
- commission an HVAC mechanical system and a Direct Digital Control (DDC) system.
- demonstrate an understanding of the techniques and practices of measuring and optimizing the energy efficiency of mechanical systems that are used in heating, ventilating, air conditioning, pumping, and water treatment.
- apply knowledge of how to measure and optimize the energy efficiency of mechanical systems to better meet entry level and advanced employment standards.
- evaluate and improve air conditioning problem-solving skills.
- solve air conditioning system problems with the use of industry specific computer applications.

Career Information

Upon completion of the Commercial Building Energy Auditing and Commissioning Specialist Certificate students may find employment in the following industry sectors: government (federal, state, county, and city agencies), health care, utilities, construction, facilities management, engineering, high technology, food production, and manufacturing. Typical job titles include: commercial building commissioning specialist, commercial energy auditor, energy management and efficiency technician, stationary engineer, air conditioning and refrigeration technician, maintenance mechanic, boiler operator, automatic control technician, solar, photovoltaic, wind (renewable and sustainable) energy technician, and wholesale and manufacturer's sales representative.

Mechanical-Electrical Technology (MET) Courses

MET 250 Introduction to Mechanical-Electrical Technology

Units: 1
Hours: 18 hours LEC
Prerequisite: None.

This introductory course is designed for potential heating, ventilation, and air conditioning/refrigeration (HVAC/R) career professionals such as stationary engineers, commercial refrigeration technicians, commercial HVAC/R control technicians, and residential air conditioning technicians. In this course, students will explore the available career opportunities, be introduced to the fundamentals of refrigeration and technical math associated with this field, and learn the requirements for a certificate in Commercial Building Energy Auditing and Commissioning Specialist, Mechanical-Electrical Technology, Mechanical Systems Technician, and completing the Associate in Science degree in Mechanical-Electrical Technology. A final grade of "C" or better is necessary to move on to MET 256, 257, 351, and 352.

MET 256 Fundamentals of Instruments and Electricity

Units: 1.5
Hours: 27 hours LEC
Prerequisite: MET 250 with a grade of "C" or better
Advisory: MET 257, MET 351 and MET 352 with a grade of "C" or better or concurrent enrollment in MET 257, MET 351 and MET 352.

This course introduces the student to the fundamentals of electrical instruments and concepts required in commercial and industrial practice. Units of instruction include: fundamentals of electricity, Ohms law, use of voltmeters, ammeters, ohmmeters, series and parallel circuits, wiring diagrams, and electromagnetic theory. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 257 Fundamentals of Workplace Success

Units: 1.5
Hours: 27 hours LEC
Prerequisite: MET 250 with a grade of "C" or better
Advisory: MET 256, MET 351 and MET 352 with a grade of "C" or better or concurrent enrollment in MET 256, MET 351 and MET 352.

This course provides the student with basic workplace skills needed to enter the workforce as a machinery systems technician. Units of instruction include teamwork, ethics, diversity, communication skills, writing e-mail messages, Internet websites, conflict resolution, critical thinking, problem solving, conflict resolution, career management, sexual harassment, and drug and alcohol use. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 294 Topics in Mechanical-Electrical Technology

Units: 0.5 - 4
Hours: 9 - 18 hours LEC
Prerequisite: None.

This is an individualized course developed in cooperation with industry to meet specialized training needs.

MET 295 Independent Studies in Mechanical - Electrical Technology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course is designed to provide student's additional on-hands experience in the Mechanical Electrical Technology related disciplines. To be eligible for independent study, students must be currently enrolled in at least one Mechanical-Electrical Technology course. They must also discuss the study with a professor in this subject and secure approval.

MET 351 Basic Mechanical Systems

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: MET 250 with a grade of "C" or better
Advisory: MET 256, MET 257 and MET 352 with a grade of "C" or better or concurrent enrollment in MET 256, MET 257 and MET 352.
Transferable: CSU

This course is designed to introduce the student to the theoretical and practical applications of basic mechanical systems utilized in heating, ventilation, air conditioning, refrigeration, steam power generation, and the treatment of water for use in mechanical systems. Additional studies include fundamental laws of heat; theory of refrigeration and refrigerants; installation, operation, and testing of refrigeration units; and safe, efficient use of related hand, heat, and power tools. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 352 Mechanical Systems Calculations

Units: 3
Hours: 54 hours LEC
Prerequisite: MET 250 with a grade of "C" or better
Advisory: MET 256, MET 257 and MET 351 with a grade of "C" or better or concurrent enrollment in MET 256, MET 257 and MET 351.
Transferable: CSU
General Education: AA/AS Area II(b)

This course focuses on building mathematical skills specific to the mechanical-electrical trades; problem solving using metric (SI) units and English and metric unit conversions; solution of word problems involving length, area, volume, weight, strength of materials, work, power, energy, and efficiencies; exponents, scientific notation, and roots; problem solving using graphs and tables; algebraic solutions to applied problems; freehand sketching employing multiview, isometric, and oblique drawing methods; and lettering and dimensioning. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 360 Mechanical Systems Maintenance

Units: 1.5
Hours: 27 hours LEC
Prerequisite: MET 351 with a grade of "C" or better
Transferable: CSU

This course introduces the student to maintenance concepts for basic mechanical systems. Units of instruction include coil maintenance, filter management, indoor air quality, lubrication, belts and drives, verifying operation, monitoring equipment, and maintenance contracts. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 361 Refrigeration Systems

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 351 with a grade of "C" or better
Advisory: MET 352 with a grade of "C" or better. Concurrent enrollment in MET 362, MET 363, and MET 364.
Transferable: CSU

This course is devoted to the study of residential and commercial refrigeration systems and equipment. Students learn about mechanical compression and refrigeration devices: their operating characteristics, common applications and typical servicing procedures, and related safety practices. Hand tools, power tools, and test instruments are used by the student in lab to repair and service refrigeration devices. Students gain additional experience by analyzing system performance with pressure-enthalpy diagrams. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 362 Refrigeration Systems Calculations

Units: 3
Hours: 54 hours LEC
Prerequisite: MET 351 and 352 with grades of "C" or better
Advisory: MET 361, MET 363, and MET 364 with a grade of "C" or better or concurrent enrollment in MET 361, MET 363, and MET 364.
Transferable: CSU

This course focuses on mathematical problems involving English and metric (SI) units concerned with installation, operations, and maintenance of commercial and industrial refrigeration systems. Emphasis will be placed on basic heat transfer, loads, piping, equipment performance, and economic factors. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 363 Refrigerant Transition and Recovery Processes and Procedures

Units: 1.5
Hours: 27 hours LEC
Prerequisite: MET 351 with a grade of "C" or better
Advisory: MET 361, MET 362, and MET 364 with a grade of "C" or better or concurrent enrollment in MET 361, MET 362, and MET 364.
Transferable: CSU

This course focuses on the recovery and recycling of existing refrigerants, the transition to environmentally safe refrigerants, and the preparation for certification testing in refrigerant handling as mandated by the Clean Air Act, 40 CFR, part 82, subpart F and regulated by the Environmental Protection Agency (EPA). Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 364 Electrical Controls

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 256, 351, and 352 with grades of "C" or better
Advisory: MET 361, MET 362, and MET 363 with a grade of "C" or better or concurrent enrollment in MET 361, MET 362, and MET 363.
Transferable: CSU

This course provides instruction in power and control circuits and devices used with refrigeration, heating, cooling, and pumping mechanical systems. Units of instruction include a

study of electron theory, magnetism, induction, alternating current, direct current, resistance, and capacitance. Students will practice using electrical meters and test instruments in the laboratory. Electrical safety practices will also be covered. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 368 Heat Pump Operation and Maintenance

Units: 3
Hours: 54 hours LEC
Prerequisite: MET 256, 351, and 352 with grades of "C" or better
Transferable: CSU

This course provides instruction in basic refrigeration and heat pump theory, cooling and heating cycles, defrost cycles, controls, supplemental heat, flow control devices, and heat load calculations. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 371 Heating and Power Machinery

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 351, 360, and 364 with grades of "C" or better
Advisory: MET 372, MET 373, and MET 374 with a grade of "C" or better or concurrent enrollment in MET 372, MET 373, and MET 374.
Transferable: CSU

This course provides instruction on warm air furnaces, hydronic heating, hot water solar systems, and steam and power plant systems. Instruction includes pumps, pumping head calculations, combustion principles, steam and hot water boilers, warm air furnaces, boiler safety and operating controls, and boiler emissions. Laboratory activities include operation, testing, maintenance, and troubleshooting of warm air furnaces and steam/hot water heating systems. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 372 Power Machinery, Heating and Air Conditioning Calculations

Units: 3
Hours: 54 hours LEC
Prerequisite: MET 361 and 362 with grades of "C" or better
Advisory: MET 371, MET 373, and MET 374 with a grade of "C" or better or concurrent enrollment in MET 371, MET 373, and MET 374.
Transferable: CSU

This course focuses on mathematical problems involving English and metric (SI) units concerned with installation, operation, and maintenance of power machinery, and heating and air conditioning systems. Emphasis will be placed on heat transfer, heating and cooling loads, pipe and pump sizing, steam and hot water system performance, psychrometrics, and duct sizing calculations. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 373 Piping, Electrical, and Sheet Metal Drafting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 360, 361, and 364 with grades of "C" or better
Advisory: MET 371, MET 372, and MET 374 with a grade of "C" or better or concurrent enrollment in MET 371, MET 372, and MET 374.
Transferable: CSU

This course provides instruction in the design of mechanical and piping systems. Units of instruction include mechanical, electrical, and plumbing codes, recognition of standard symbols, computer aided drawing applications, and construction terms and specifications. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 374 Automatic Control Systems I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 361 and 364 with grades of "C" or better
Advisory: MET 371, MET 372, and MET 373 with a grade of "C" or better or concurrent enrollment in MET 371, MET 372, and MET 373.
Transferable: CSU

This is the first of two courses (see MET 384) that focus on the study of controls and devices used in heating, ventilation, air conditioning, pumping, water treatment, and manufacturing systems. Units of instruction include
control theory, final control devices, and pneumatic control systems. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 378 Geothermal Heat Pump Operation and Maintenance

Units: 3
Hours: 54 hours LEC
Prerequisite: MET 256, 351, and 352 with grades of "C" or better
Transferable: CSU

This course provides instruction in basic geothermal heat pump theory, cooling and heating cycles, load calculations, cost analysis, open and closed water loop systems, system diagnostics, and solar applications. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 381 Air Conditioning

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 371 and 372 with grades of "C" or better
Advisory: MET 382, MET 383, and MET 384 with a grade of "C" or better or concurrent enrollment in MET 382, MET 383, and MET 384.
Transferable: CSU

This course provides instruction in the design, operation, and maintenance of commercial and industrial air conditioning systems. Instruction includes study of air distribution, variable air volume systems, refrigeration compressors, absorption air conditioning systems, helical-rotary and centrifugal water chillers, chilled water systems, thermal storage, cooling towers, and hot water solar systems, and energy management. Students will gain practical experience by operating commercial air conditioning systems. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 382 Air Conditioning Systems Calculations

Units: 3
Hours: 54 hours LEC
Prerequisite: MET 372 with a grade of "C" or better
Advisory: MET 381, MET 383, and MET 384 with a grade of "C" or better or concurrent enrollment in MET 381, MET 383, and MET 384.
Transferable: CSU

This course provides an introduction to the use of computer applications in solving problems concerned with the design, installation, and operation of air conditioning systems. Units of instruction include calculating heating and cooling loads, piping, air distribution, equipment selection, and psychrometric and economic analysis. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 383 Instrumentation

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 371, 372, 373, and 374 with grades of "C" or better
Advisory: MET 381, MET 382, and MET 384 with grades of "C" or better or concurrent enrollment in MET 381, MET 382, and MET 384.
Transferable: CSU

This course provides instruction in the theory and practice of using instruments for testing and analyzing the operation of refrigerating, air conditioning, mechanical, electrical, and building systems. Units of instruction include a study of measurement principles including temperature, humidity, flow, light, sound, velocity, pressure, combustion emissions, air quality, voltage, level, force, and vibration. Laboratory activities will emphasize the practical applications of sensors and measuring instruments. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 384 Automatic Control Systems II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MET 371 and 374 with grades of "C" or better
Advisory: MET 381, MET 382, and MET 383 with a grade of "C" or better or concurrent enrollment in MET 381, MET 382, and MET 383.
Transferable: CSU

This is the second of two courses (see MET 374) that focus on the study of controls and devices used in heating, ventilation, air conditioning, pumping, water treatment, and manufacturing systems. Units of instruction include electronic and direct digital controls, networks, interoperable systems, and programming of controllers. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 391 Mechanical Systems Commissioning

Units: 2.5
Hours: 36 hours LEC; 27 hours LAB
Prerequisite: MET 381, 383, and 384 with grades of "C" or better; or concurrent enrollment in MET 381, 383, and 384; or four years of field experience in commercial HVAC design, installation, repair, or operation.
Advisory: MET 392 and MET 396 with a grade of "C" or better or concurrent enrollment in MET 392 and MET 396.
Transferable: CSU

This course focuses on the techniques and practices of commissioning controls and mechanical systems that are used in heating, ventilation, air conditioning, pumping, renewable and sustainable energy, and water treatment. Units of instruction include energy conservation; developing and implementing a comprehensive commissioning plan; inspection and testing of control systems; mechanical equipment, and field devices and user interfaces to ensure that they are installed, programmed, and operated precisely as the design intends. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 392 Energy Management and Efficiency for HVAC Mechanical Systems

Units: 2.5
Hours: 36 hours LEC; 27 hours LAB
Prerequisite: MET 381, 383, and 384 with grades of "C" or better; or concurrent enrollment in MET 381, 383, and 384; or four years' experience in commercial HVAC design, installation, repair, or operation
Advisory: MET 391 and MET 396 with a grade of "C" or better or concurrent enrollment in MET 391 and MET 396.
Transferable: CSU

The course focuses on the theory, techniques, and practices of optimizing the energy efficiency of mechanical systems that are used in heating, ventilating, cooling, pumping, and water treatment. Students will review the concepts and principles of the design of commercial heating, ventilating, and air conditioning (HVAC) systems and direct digital controls (DDC). This course will introduce the economics of operating electrical and mechanical equipment, methods of acquiring HVAC equipment performance data through the use of portable data loggers and DDC control systems and using that data to improve operations and reduce energy consumption. Discussions will include current industry practices for energy conservation, utility rate schedules and rebate programs, overview of California Energy Code and LEED – Leadership in Energy and Environmental Design, and the U. S. Green Building Council rating system. Components of this course may be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 393 Commercial Building Energy Audits and Calculations

Units: 2.5
Hours: 36 hours LEC; 27 hours LAB
Prerequisite: MET 392 with a grade of "C" or better
Advisory: MET 391 and MET 396 with a grade of "C" or better or concurrent enrollment in MET 391 and MET 396.
Transferable: CSU

This course focuses on the theory, techniques, and practices of analyzing all aspects of large commercial building operations and correlating a building envelope's interaction with the mechanical systems. Students will perform a detailed energy audit of a state-of-the-art commercial building design using energy modeling simulation software and develop energy conservation strategies, such as thermal storage, that can be applied to heating, cooling, and ventilating equipment to reduce utility bills. Students will apply supporting analytical data to develop operations and maintenance changes designed to improve energy efficiency and reduce operating cost. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 395 Water Treatment for Heating and Air Conditioning Equipment

Units: 3
Hours: 54 hours LEC
Prerequisite: MET 381 and 383 with grades of "C" or better
Advisory: MET 391, and MET 396 with a grade of "C" or better or concurrent enrollment in MET 391, and MET 396.
Transferable: CSU

This course focuses on basic mechanical system water sides theories of corrosion, scaling, and algae-slime growth-corrosion inhibition, chemicals and feed-bleed-blowdown systems; scaling inhibition, chemicals, and feed-blowdown systems; algae inhibition and chemicals; testing methods, kits, and instruments; and water quality standards. Components of this course may be offered online. Students may be required to have access to a computer and the Internet and have some familiarity with a computer.

MET 396 Air and Water Balance of Mechanical Equipment

Units: 2.5
Hours: 36 hours LEC; 27 hours LAB
Prerequisite: MET 381, 383, and 384 with grades of "C" or better; or four years of field experience in commercial HVAC design, installation, repair, or operation.
Advisory: MET 391 and MET 392 with a grade of "C" or better or concurrent enrollment in MET 391 and MET 392.
Transferable: CSU

This course focuses on air and water flow theory; air and water systems and components; air flow measuring instruments, their calibration, and use; and typical water flow balance work. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.

MET 495 Independent Studies in Mechanical-Electrical Technology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

Independent Study is an opportunity for the student to extend classroom experience in this subject, while working independently of a formal classroom situation. Independent study is an extension of work offered in a specific class in the college catalog. To be eligible for independent study, students must have completed the basic regular catalog course at Sacramento City College. They must also discuss the study with a professor in this subject and secure approval. Only one independent study for each catalog course will be allowed.

MET 499 Experimental Offering in Mechanical-Electrical Technology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Modern Making

Modern Making introduces students to the principles of making and design thinking through fabricating or producing a finished product.

AVP Gabriel Meehan

Faculty Project Manager Thomas Capaletti

Phone (916) 558-2312

Email capalet@scc.losrios.edu

Modern Making (MAKR) Courses

MAKR 140 Introduction to Making

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.

This highly immersive, hands-on introductory survey course introduces students to the principles of making and design thinking through fabricating or producing a finished product. Students learn to design and build physical things or spaces, make them work, and integrate them with electronics, software, or mediums of innovation. Students will gain knowledge of common fabrication techniques and skill using the associated tools, such as: 3D printing, CNC (Computer Numerical Control) machining, laser cutting, woodworking and metalworking, large printer and cutter usage, electronics, microcontroller programming, textile making, weaving looms, food and beverage making and processing, and more. Students will use this knowledge and skill in both individual and team settings, and participate in a capstone project. Supplies are provided for all assigned projects. Students who have taken this course as MAKR 299 are not eligible to enroll in this course.

MAKR 151 Makerspace Lab I

Units: 0.5 - 1
Hours: 27 - 54 hours LAB
Prerequisite: None.

This lab course provides access to workshops in the methodologies and practices of making in a contemporary Makerspace / fabrication laboratory environment. Via hands-on trainings, workshops, and instruction, students will gain experience using a variety of equipment used in the Makerspace to design and build projects using materials and equipment such as wood, plastics, metals, textiles, organic matter, 3D printing, milling, electronics, large format printing, sewing machines, looms, and food and beverage processors. Supplies are provided for all training projects for this course but not for larger scale commercial projects. Students have access to all equipment after completing the required safety training and any relevant workshops. Students who have taken this course as MAKR 299 are not eligible to enroll in this course.

MAKR 152 Makerspace Lab II

Units: 1
Hours: 54 hours LAB
Prerequisite: MAKR 151 with a grade of "C" or better

This lab course provides access to intermediate-level workshops in the methodologies and practices of making in a contemporary Makerspace / fabrication laboratory environment. Via hands-on trainings, workshops, and instruction, students will gain experience using a variety of equipment used in the Makerspace to design and build projects using materials and equipment such as wood, plastics, metals, textiles, organic matter, 3D printing, milling, electronics, large format printing, sewing machines, looms, and food and beverage processors. Supplies are provided for all training projects for this course but not for larger scale commercial projects. Students have intermediate-level access to all equipment after completing the required safety training and any relevant workshops.

MAKR 153 Makerspace Lab III

Units: 1
Hours: 54 hours LAB
Prerequisite: MAKR 152 with a grade of "C" or better

This lab course provides access to advanced-level workshops in the methodologies and practices of making in a contemporary Makerspace / fabrication laboratory environment. Via hands-on trainings, workshops, and instruction, students will gain experience using a variety of equipment used in the Makerspace to design and build projects using materials and equipment such as wood, plastics, metals, textiles, organic matter, 3D printing, milling, electronics, large format printing, sewing machines, looms, and food and beverage processors. Supplies are provided for all training projects for this course but not for larger scale commercial projects. Students have advanced-level access to all equipment after completing the required safety training and any relevant workshops.

MAKR 155 Wood Maker

Units: 1
Hours: 54 hours LAB
Prerequisite: None.

Learn to safely make usable prototypes from different types of wood materials with traditional woodworking tools and methods. Supplies are provided for all training projects for this course but not for larger scale commercial projects. Students have access to all equipment after completing the required safety training and any relevant workshops. Students who have taken this course as MAKR 299 are not eligible to enroll in this course.

MAKR 156 Print Maker

Units: 1
Hours: 54 hours LAB
Prerequisite: None.

Apply graphic design principles and commercial production standards for digital printing using large format and specialty printing devices using industry equipment. Projects include the creation of banners, stickers, T-shirts, posters, decals, static cling, laser cutting and engraving, and vehicle wraps and associated technologies. Supplies are provided for required projects for this course.

MAKR 201 Introduction to App Development with Swift

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: None.

This course introduces the fundamental concepts of app development and programming. Topics include design thinking, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. Students who have taken this course as MAKR 299 are not eligible to enroll in this course.

MAKR 202 App Development with Swift

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: MAKR 201 with a grade of "C" or better; or equivalent (e.g. CISP 301).

This course delves deeper into app development and programming and introduces the fundamental concepts of structured and object-oriented programming. Topics include user interface design, control flow, variable scope, and using arrays to display data. Students who have taken this course as MAKR 299 are not eligible to enroll in this course.

MAKR 203 Advanced App Development with Swift

Units: 3
Hours: 45 hours LEC; 27 hours LAB
Prerequisite: CISM 202 with a grade of "C" or better

This course focuses on Advanced App Development. Topics include complex user input, animations, interfacing with the web, and the design cycle. Students will apply techniques for testing and debugging software.

MAKR 295 Independent Studies in Modern Making

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Making offers students a chance to do research and/or experimentation that is more typical of advanced studies in digital fabrication and making.

MAKR 299 Experimental Offering in Modern Making

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

MAKR 499 Experimental Offering in Modern Making

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Music

The Music Department at Sacramento City College is a dynamic and exciting place where students learn about all aspects of the music industry. Sac City is recognized throughout California for its outstanding Commercial Music program. Students have access to state-of-the-art recording technology and are mentored by professors who, in addition to teaching, are also professionals in the music industry. General Music is taught as well, giving students the opportunity to develop good fundamental skills in music notation, theory, and history. Whether you're planning a career in the commercial music industry or hoping to transfer to a four-year institution as a music major, Sacramento City College Music Department is a great place to get started.

Degrees and Certificates Offered

A.A.-T. in Music

A.A. in Commercial Music, Audio Production Emphasis

A.A. in Commercial Music, Music Business Management Emphasis

A.A. in Commercial Music, Performance Emphasis

A.A. in Commercial Music, Songwriting/Arranging Emphasis

A.A. in Interdisciplinary Studies: Arts and Humanities

A.A. in Music, General

Commercial Music, Audio Production Emphasis Certificate

Commercial Music, Music Business Management Emphasis Certificate

Commercial Music, Performance Emphasis Certificate

Commercial Music, Songwriting/Arranging Emphasis Certificate

Dean Patti Leonard

Department Chair Kathleen Poe

Phone (916) 558-2419

Email PoeK@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Music

Completion of this degree provides a basic foundation in music. Program offerings include course work in music theory and aural skills, applied instrumental and vocal instruction, and ensemble performance.

The Associate in Arts in Music for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
MUFHL 400	Music Theory and Musicianship I	4
MUFHL 401	Music Theory and Musicianship II	4
MUFHL 410	Music Theory and Musicianship III	4
A minimum of 2 units from the following:		2
MUIVI 410	Applied Music (1)	
A minimum of 4 units from the following:		4
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
MUP 356	Advanced College Choir (2)	
MUP 406	Vocal Ensemble (2)	
MUP 407	Advanced Vocal Ensemble (2)	
MUP 424	Commercial Music Ensemble (2)	
A minimum of 4 units from the following:		4
MUFHL 411	Music Theory and Musicianship IV (4)	
Total Units:		**22**

The Associate in Arts in Music for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze musical compositions and scores.
- understand the elements of music: melody, rhythm, harmony, and form.
- apply the elements of music to performance and analysis.
- perform music at a level appropriate to the area of specialization.
- critically analyze music performances, whether personal or performed by other musicians.

Career Information

Individuals with four-year degrees in music may be placed in the K-12 educational field, perform in professional music ensembles, direct religious or community music groups, instruct music privately, compose music for media and publishing, become music therapists, or become administrators for music organizations. Advanced degrees in music may lead to careers as educators at the college or university level, performers, music directors, or music editors and journalists.

Associate Degrees

A.A. in Commercial Music, Audio Production Emphasis

This program is designed as introductory preparation for employment in audio engineering. Courses in the theory and practice of recording techniques are offered to give students a well-rounded foundation to begin work or to pursue a four-year degree.

Degree Requirements

Course Code	Course Title	Units
MUFHL 309	Introduction to American Popular Music	3
MUFHL 320	Exploring Music	3
MUSM 110	The Business of Music	3
MUSM 306	Live Sound Reinforcement	3
MUSM 342	Recording Studio Techniques I	3
MUSM 344	Recording Studio Techniques II	3
MUSM 350	Recording Studio Techniques III	3
MUSM 356	Pro Tools 101, Introduction to Pro Tools	1.5
MUSM 357	Pro Tools 110 Intermediate Pro Tools	1.5
MUSM 362	Mixing and Mastering Music Projects	3
MUSM 366	Pro Tools 201, Advanced Pro Tools	1.5
MUSM 367	Audio for Video Post Production	3
A minimum of 5.5 units from the following:		5.5
MUFHL 305	Music Appreciation (3)	
MUFHL 481	Survey of Music History and Literature (Greek Antiquity to 1750) - Honors (3)	
or MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 482	Survey of Music History and Literature (1750 to the present) - Honors (3)	
or MUFHL 311	Survey of Music History and Literature (1750 to the present) (3)	
MUFHL 315	Jazz History (3)	
MUIVI 345	Beginning Piano I (1 - 2)	
MUSM 115	The Development and Management of an Independent Record Label (3)	
MUSM 330	Introduction to MIDI: Musical Instrument Digital Interface (2.5)	
MUSM 331	Intermediate MIDI: Musical Instrument Digital Interface (2.5)	
MUSM 361	Advanced Studio Sessions (3)	
Total Units:		**37**

The Commercial Music, Audio Production Emphasis Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- operate music recording equipment using various music recording workflows.
- describe the processes involved in recording music groups in the semi-professional or home recording studio.
- display skills needed to conduct a professional music recording session.
- properly use the equipment found in recording studios to achieve successful outcomes to a variety of activities common to the music recording workflow.
- successfully complete projects in music mixing and audio post-production using both analog and digital platforms.

Career Information

The Commercial Music, Audio Production A.A. Degree program provides students with training toward career paths as audio engineers in professional recording studios and multi-media, post-production audio specialists in corporate audio-visual departments and owner/engineers of smaller demo production studios.

A.A. in Commercial Music, Music Business Management Emphasis

This program is designed to prepare students for entry level positions in the music industry in the areas of artist management, music publishing, talent agencies, concert promotion, and music distribution and retail. It also prepares students to effectively manage and organize self-produced music projects.

Degree Requirements

Course Code	Course Title	Units
BUS 300	Introduction to Business	3
MGMT 304	Principles of Management	3
MUFHL 309	Introduction to American Popular Music	3
MUSM 110	The Business of Music	3
MUSM 115	The Development and Management of an Independent Record Label	3
MUSM 116	Legal Aspects Of The Music Industry	3
A minimum of 12 units from the following:		12
Select at least one course from each group.		

Course Code	Course Title	Units
Business Management		
ACCT 101	Fundamentals of College Accounting (3)	
CISA 305	Beginning Word Processing (2)	
CISA 340	Presentation Graphics (2)	
MGMT 308	Personnel and Human Resources Management (3)	
TA 440	Arts Management (3)	
Communication Skills		
COMM 321	Interpersonal Communication (3)	
COMM 331	Group Discussion (3)	
COMM 361	The Communication Experience (3)	
MGMT 372	Human Relations and Organizational Behavior (3)	
PSYC 358	Principles of Interpersonal Relations (3)	
Retail Marketing		
MKT 300	Principles of Marketing (3)	
MKT 310	Selling Professionally (3)	
MKT 314	Advertising (3)	
Total Units:		**30**

The Commercial Music, Music Business Management Emphasis Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- understand the structure and recent history of the U.S. music industry.
- demonstrate an understanding of key music industry concepts including copyright, music publishing, ownership and licensing of works, First Use, Fair Use, and Public Domain.
- demonstrate knowledge of legal, accounting, and managerial practices including recording artist agreements, recoupment, royalties, advances, licensing, artist management, and representation.
- enumerate, explain, and objectively evaluate methods of music promotion including publicity, distribution, touring, downloads, licensing, and "do-it-yourself" techniques.
- create outlines, schedules, budgets, and promotional materials used in music management, marketing, and business relations.
- analyze and interpret the effects of technology on legal, artistic, and financial aspects of the music industry.

Career Information

Artist management and representation, independent recording labels, music publishing and licensing, music legal services, music publicity and public relations, concert promotion, music retail and distribution; self-management, artist-owned recording labels, and "do-it-yourself" music pursuits.

A.A. in Commercial Music, Performance Emphasis

This program is designed to prepare students to perform in the styles of popular music most often heard on radio, television, and in live concert venues.

Degree Requirements

Course Code	Course Title	Units
MUFHL 309	Introduction to American Popular Music	3
MUFHL 320	Exploring Music	3
MUFHL 400	Music Theory and Musicianship I	4
MUFHL 401	Music Theory and Musicianship II	4
MUIVI 345	Beginning Piano I	1 -2
MUIVI 380	Improvisation Workshop I	2
MUIVI 410	Applied Music	1
MUSM 110	The Business of Music	3
MUSM 330	Introduction to MIDI: Musical Instrument Digital Interface	2.5
MUSM 331	Intermediate MIDI: Musical Instrument Digital Interface	2.5
MUSM 342	Recording Studio Techniques I	3
A minimum of 1 unit from the following:		1
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 340	Symphonic Band (2)	
MUP 355	College Choir (2)	
MUP 406	Vocal Ensemble (2)	
MUP 424	Commercial Music Ensemble (2)	
A minimum of 5 units from the following:		5
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 311	Survey of Music History and Literature (1750 to the present) (3)	
MUFHL 321	Basic Musicianship (3)	
MUFHL 330	World Music (3)	
MUFHL 410	Music Theory and Musicianship III (4)	
MUFHL 411	Music Theory and Musicianship IV (4)	
MUFHL 430	Commercial Harmony and Arranging I (2)	
MUFHL 431	Commercial Harmony and Arranging II (2)	
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 335	Mentorship & Vocal Repertoire (2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 365	Popular Piano Styles I (1)	
MUSM 320	Contemporary Songwriting (3)	
MUSM 321	Contemporary Songwriting (3)	
MUSM 344	Recording Studio Techniques II (3)	
MUSM 350	Recording Studio Techniques III (3)	

Course Code	Course Title	Units
Total Units:		**35 - 36**

The Commercial Music, Performance Emphasis Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate performance ability on a chosen instrument(s).
- demonstrate knowledge of contemporary musical styles.
- demonstrate basic knowledge of the audio recording process.
- participate in an audio recording session as a performer.
- demonstrate basic improvisational techniques.
- design and implement a practice routine for maintaining and improving performance skills.

Career Information

This program is for the student interested in being a performer of various styles of popular music, both live and recorded.

A.A. in Commercial Music, Songwriting/ Arranging Emphasis

This program is designed to prepare students for free-lance employment in song-publishing, submission of songs to major recording artists, composition of jingles for advertising agencies, arranging music for schools and churches, and song demo production using MIDI techniques.

Degree Requirements

Course Code	Course Title	Units
MUFHL 309	Introduction to American Popular Music	3
MUFHL 320	Exploring Music	3
MUFHL 400	Music Theory and Musicianship I	4
MUFHL 401	Music Theory and Musicianship II	4
MUIVI 345	Beginning Piano I	1 -2
MUSM 110	The Business of Music	3
MUSM 320	Contemporary Songwriting	3
MUSM 321	Contemporary Songwriting	3
MUSM 330	Introduction to MIDI: Musical Instrument Digital Interface	2.5
MUSM 331	Intermediate MIDI: Musical Instrument Digital Interface	2.5
MUSM 342	Recording Studio Techniques I	3
A minimum of 5 units from the following:		5
ENGCW 400	Creative Writing (3)	
ENGLT 303	Introduction to the Short Story (3)	
MUFHL 305	Music Appreciation (3)	
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 311	Survey of Music History and Literature (1750 to the present) (3)	
MUFHL 315	Jazz History (3)	
MUFHL 321	Basic Musicianship (3)	
MUFHL 330	World Music (3)	
MUFHL 410	Music Theory and Musicianship III (4)	
MUFHL 411	Music Theory and Musicianship IV (4)	
MUFHL 430	Commercial Harmony and Arranging I (2)	
MUFHL 431	Commercial Harmony and Arranging II (2)	
MUP 424	Commercial Music Ensemble (2)	
MUSM 344	Recording Studio Techniques II (3)	
MUSM 350	Recording Studio Techniques III (3)	
Total Units:		**37 - 38**

The Commercial Music, Songwriting/Arranging Emphasis Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- compose music and words for songs found in contemporary commercial styles.
- create arrangements of songs for small ensembles.
- record basic audio and MIDI tracks for demo purposes.
- demonstrate basic knowledge concerning music contracts, copyrights, and royalties.

Career Information

This program is for the student who is interested in being a freelance songwriter and arranger for commercial groups, advertising, schools, and churches.

A.A. in Interdisciplinary Studies: Arts and Humanities

The Interdisciplinary Studies degree is designed for students who seek a greater understanding of disciplines within the arts and humanities. This program is a good choice for students planning on transferring to the California State University or the University of California. The student will be able to satisfy general education requirements and focus on transferable course work that relates to a specific major and/or individual interest.

It is highly recommended that students consult a counselor to

determine the classes within each area that will best prepare them for their intended transfer major.

Degree Requirements

Course Code	Course Title	Units
A minimum of 18 units from the following:		18[1]
ARABIC 401	Elementary Arabic (5)	
ARABIC 402	Elementary Arabic (5)	
ART 300	Drawing and Composition I (3)	
ART 301	Digital Drawing and Composition (3)	
ART 302	Drawing and Composition II (3)	
ART 304	Figure Drawing I (3)	
ART 305	Figure Drawing II (3)	
ART 307	Rendering (3)	
ART 310	Pen and Ink Drawing (3)	
ART 312	Portrait Drawing (3)	
ART 320	Design: Fundamentals (3)	
ART 322	Design: Image and Content (3)	
ART 323	Design: Color Theory (3)	
ART 324	Collage and Assemblage (3)	
ART 330	Mural Painting (3)	
ART 332	Oil Painting (3)	
ART 333	Intermediate Oil Painting (3)	
ART 334	Acrylic Painting (3)	
ART 335	Acrylic Painting: Abstract (3)	
ART 336	Watercolor Painting (3)	
ART 337	Intermediate Watercolor Painting (3)	
ART 361	Printmaking: Survey (3)	
ART 362	Printmaking: Intaglio (3)	
ART 363	Printmaking: Screen Printing (3)	
ART 364	Printmaking: Relief (3)	
ART 366	Printmaking: Lithography (3)	
ART 367	Book Arts (3)	
ART 370	Three Dimensional Design (3)	
ART 372	Sculpture (3)	
ART 373	Intermediate Sculpture (3)	
ART 374	Sculpture Lab (1 - 2)	
ART 375	Figure Sculpture (3)	
ART 380	Techniques in Metal Design (3)	
ART 381	Intermediate Techniques in Metal Design (3)	
ART 384	Metal Design: Emphasis In Casting (3)	
ART 385	Metal Arts Lab (1 - 2)	
ART 390	Ceramics (3)	
ART 391	Intermediate Ceramics (3)	
ART 392	Ceramic Lab (1 - 2)	
ART 394	Wheel Thrown Ceramics, Beginning (3)	
ART 395	Wheel Thrown Ceramics, Intermediate (3)	
ART 396	Wheel Thrown Ceramics, Advanced (3)	
ART 400	Clay Sculpture (3)	
ART 404	Intermediate Clay Sculpture (3)	
ART 440	Artists' Materials and Techniques (3)	
ART 443	Art Gallery Operations (3)	
ART 445	Art Gallery Operations (3)	
ART 446	Portfolio Preparation (3)	
ART 494	Topics in Art (0.5 - 4)	
ART 495	Independent Studies in Art (1 - 3)	
ART 498	Work Experience in Art (0.5 - 4)	
ARTH 300	Art Appreciation (3)	
ARTH 304	Ancient Art (3)	
ARTH 306	Medieval Art (3)	
ARTH 307	Italian Renaissance Art (3)	
ARTH 308	Renaissance Tradition in Art (3)	
ARTH 310	Modern Art (3)	
ARTH 312	Women in Art (3)	
ARTH 313	History of Western Architecture: Prehistoric to Renaissance (3)	
ARTH 314	History of Western Architecture: Renaissance to Modern (3)	
ARTH 318	History of American Art (3)	
ARTH 320	Multicultural Art in America (3)	
ARTH 324	Art of the Americas (3)	
ARTH 325	Native American Art History (3)	
ARTH 328	Survey of African Art (3)	
ARTH 332	Asian Art (3)	
ARTH 334	International Contemporary Art (3)	
ARTH 410	Early 20th Century Art (3)	
ARTH 484	Ancient Art-Honors (3)	
ARTH 486	Medieval Art-Honors (3)	
ARTH 487	Renaissance Art-Honors (3)	
ARTH 488	Modern Art--Honors (3)	
ARTH 494	Topics in Art History (0.5 - 4)	
ARTH 495	Independent Studies in Art History (1 - 3)	
ARTH 499	Experimental Offering in Art History (0.5 - 4)	
CANT 401	Elementary Cantonese (4)	
CANT 402	Elementary Cantonese (4)	
CANT 411	Intermediate Cantonese (4)	
CANT 412	Intermediate Cantonese (4)	
COMM 305	Oral Interpretation (3)	
DEAF 310	American Sign Language I (4)	
DEAF 312	American Sign Language II (4)	
DEAF 314	American Sign Language III (4)	
DEAF 316	American Sign Language IV (4)	
ENGCW 400	Creative Writing (3)	
ENGCW 410	Fiction Writing Workshop (3)	
ENGCW 420	Poetry Writing Workshop (3)	

Course Code	Course Title	Units
ENGCW 430	Creative Non-Fiction Writing Workshop (3)	
ENGLT 301	Introduction to Literature in Hip-Hop Culture (3)	
ENGLT 303	Introduction to the Short Story (3)	
ENGLT 310	English Literature I (3)	
ENGLT 311	English Literature II (3)	
ENGLT 317	The English Bible as Literature (3)	
ENGLT 320	American Literature I (3)	
ENGLT 321	American Literature II (3)	
ENGLT 327	Literature of California (3)	
ENGLT 328	Literature and The Environment (3)	
ENGLT 331	African-American Literature (1730-1930) (3)	
ENGLT 332	African-American Literature (1930-Present) (3)	
ENGLT 334	Asian-American Literature (3)	
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	
ENGLT 360	Women in Literature (3)	
ENGLT 365	Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370	Children and Literature (3)	
ENGLT 380	Introduction to Shakespeare (3)	
ENGLT 392	Science Fiction and Fantasy (3)	
ENGLT 400	Introduction to Film (3)	
ENGLT 401	Women in Film and Literature (3)	
ENGLT 403	Film Adaptations (3)	
ENGLT 404	Documentary Film Studies (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
ENGLT 494	Topics in Literature (3)	
ENGLT 495	Independent Studies in Literature (1 - 3)	
ENGLT 499	Experimental Offering in Literature (0.5 - 4)	
ENGWR 301	College Composition and Literature (3)	
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature (4)	
FREN 401	Elementary French (4)	
FREN 402	Elementary French (4)	
FREN 411	Intermediate French (4)	
FREN 412	Intermediate French (4)	
GREEK 401	Elementary Modern Standard Greek (4)	
GREEK 402	Elementary Modern Standard Greek (4)	
HIST 300	History of Western Civilization (3)	
HIST 302	History of Western Civilization (3)	
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	

Course Code	Course Title	Units
HUM 300	Classical Humanities (3)	
HUM 310	Modern Humanities (3)	
HUM 332	American Humanities (3)	
HUM 352	Religious Themes in Western Art, Literature and Music (3)	
ITAL 401	Elementary Italian (4)	
ITAL 402	Elementary Italian (4)	
JAPAN 401	Elementary Japanese (4)	
JAPAN 402	Elementary Japanese (4)	
JAPAN 411	Intermediate Japanese (4)	
JAPAN 412	Intermediate Japanese (4)	
KOREAN 401	Elementary Korean (4)	
KOREAN 402	Elementary Korean (4)	
MAND 401	Elementary Mandarin (4)	
MAND 402	Elementary Mandarin (4)	
MAND 411	Intermediate Mandarin (4)	
MAND 412	Intermediate Mandarin (4)	
MUFHL 305	Music Appreciation (3)	
MUFHL 309	Introduction to American Popular Music (3)	
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 315	Jazz History (3)	
MUFHL 330	World Music (3)	
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 345	Beginning Piano I (1 - 2)	
MUIVI 346	Beginning Piano II (1 - 2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 357	Advanced Piano I (1 - 2)	
MUIVI 358	Advanced Piano II (1 - 2)	
MUIVI 371	Intermediate Guitar (2)	
MUIVI 372	Advanced Guitar (2)	
MUIVI 373	Popular Electric Bass Styles I (1)	
MUIVI 374	Popular Electric Bass Styles II (1)	
MUIVI 375	Popular Electric Guitar Styles I (1)	
MUIVI 377	Popular Electric Guitar Styles II (1)	
MUIVI 380	Improvisation Workshop I (2)	
MUIVI 381	Improvisation Workshop II (2)	
MUIVI 382	Improvisation Workshop III (2)	
MUIVI 452	World Drumming (1)	
MUIVI 454	Indian Classical Fusion Improvisation (1)	
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
PHIL 300	Introduction to Philosophy (3)	

Course Code	Course Title	Units
PHIL 306	Environmental Philosophy (3)	
PHIL 310	Introduction to Ethics (3)	
PHIL 330	History of Classical Philosophy (3)	
PHIL 331	History of Modern Philosophy (3)	
PHIL 338	Contemporary Philosophy (3)	
PHIL 352	Introduction to World Religions (3)	
PHIL 368	Law, Justice, and Punishment (3)	
PRSIAN 401	Elementary Persian (4)	
PRSIAN 402	Elementary Persian (4)	
PNJABI 401	Elementary Punjabi (4)	
PNJABI 402	Elementary Punjabi (4)	
RUSS 401	Elementary Russian (4)	
RUSS 402	Elementary Russian (4)	
RUSS 411	Intermediate Russian (4)	
RUSS 412	Intermediate Russian (4)	
SPAN 401	Elementary Spanish (4)	
SPAN 402	Elementary Spanish (4)	
SPAN 411	Intermediate Spanish (4)	
SPAN 412	Intermediate Spanish (4)	
TA 300	Introduction to the Theatre (3)	
TA 302	History and Theory of the Theatre I (3)	
TA 303	History and Theory of the Theatre II (3)	
TA 308	Diversity in American Theatre (3)	
TA 342	Introduction to Acting (3)	
TA 350	Theory and Techniques of Acting I (3)	
TA 351	Theory and Techniques of Acting II (3)	
TAFILM 300	Introduction to Film (3)	
TAFILM 302	History of Film (3)	
TAFILM 303	History of Film: 1880's through 1950's (3)	
TAFILM 304	History of Film: 1950's to Present (3)	
TAFILM 320	Cinema Genres (3)	
TAFILM 330	Film Making (3)	
TAFILM 360	Screenwriting (3)	
TGLG 401	Elementary Tagalog (4)	
TGLG 402	Elementary Tagalog (4)	
VIET 401	Elementary Vietnamese (4)	
VIET 402	Elementary Vietnamese (4)	
Total Units:		**18**

[1]Select courses from at least three areas.

The Interdisciplinary Studies: Arts and Humanities Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation and expression.

Career Information

Students who complete this degree pattern can find career opportunities in the growing film and entertainment industries; in education; in the design and fabrication industries, and as an independent contractor concentrating in the area of their study.

A.A. in Music, General

The A.A. degree in music degree provides the foundation for future performers, composers, conductors, educators, writers and researchers, and music therapists. Students will specialize in and receive training in applied music with a choice of either a General, Instrumental, or Vocal focus. Students who plan to transfer to a four-year college or university are advised to complete this course of study.

Degree Requirements

Course Code	Course Title	Units
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	3
or MUFHL 481	Survey of Music History and Literature (Greek Antiquity to 1750) - Honors (3)	
MUFHL 311	Survey of Music History and Literature (1750 to the present) (3)	3
or MUFHL 482	Survey of Music History and Literature (1750 to the present) - Honors (3)	
MUFHL 400	Music Theory and Musicianship I	4
MUFHL 401	Music Theory and Musicianship II	4
MUFHL 410	Music Theory and Musicianship III	4
MUFHL 411	Music Theory and Musicianship IV	4
MUIVI 345	Beginning Piano I	1 -2
MUIVI 346	Beginning Piano II	1 -2
Subtotal Units:		**24 - 26**

General

Course Code	Course Title	Units
A minimum of 4 units from the following:		4
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 335	Mentorship & Vocal Repertoire (2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 357	Advanced Piano I (1 - 2)	
MUIVI 358	Advanced Piano II (1 - 2)	

Course Code	Course Title	Units
MUIVI 370	Beginning Guitar (2)	
MUIVI 371	Intermediate Guitar (2)	
MUIVI 410	Applied Music (1)	
A minimum of 8 units from the following:		8[1]
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
MUP 356	Advanced College Choir (2)	
MUP 406	Vocal Ensemble (2)	
MUP 407	Advanced Vocal Ensemble (2)	
MUP 424	Commercial Music Ensemble (2)	
General Units:		12
Total Units:		**36 - 38**

Instrumentalists & Composers

Course Code	Course Title	Units
A minimum of 4 units from the following:		4
MUIVI 410	Applied Music (1)	
A minimum of 8 units from the following:		8[2]
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
MUP 356	Advanced College Choir (2)	
MUP 406	Vocal Ensemble (2)	
MUP 407	Advanced Vocal Ensemble (2)	
MUP 424	Commercial Music Ensemble (2)	
Instrumentalists & Composers Units:		12
Total Units:		**36 - 38**

Vocalists

Course Code	Course Title	Units
MUIVI 315	Beginning Voice	1 -2
MUIVI 325	Intermediate Voice	2
MUIVI 330	Advanced Voice	2
MUIVI 335	Mentorship & Vocal Repertoire	2
A minimum of 4 units from the following:		4
MUIVI 410	Applied Music (1)	
A minimum of 8 units from the following:		8[3]
MUP 355	College Choir (2)	
MUP 356	Advanced College Choir (2)	
MUP 406	Vocal Ensemble (2)	
MUP 407	Advanced Vocal Ensemble (2)	
MUP 424	Commercial Music Ensemble (2)	
Vocalists Units:		19 - 20
Total Units:		**43 - 46**

[1]NOTE: All music majors are required to enroll in at least one music performance course each semester they are enrolled.

[2]NOTE: All music majors are required to enroll in at least one music performance course each semester they are enrolled.

[3]NOTE: All music majors are required to enroll in at least one music performance course each semester they are enrolled.

The Music, General Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate performance ability on a chosen instrument.
- analyze musical scores and compositions.
- critique personal music performances and those of other musicians.
- analyze the elements of music (rhythm, melody, harmony, and form).
- create derivative or original music at a level appropriate to the area of specialization.
- compare and contrast the characteristics of various musical cultures and historical periods from the origin of music history to the present.

Career Information

The Music degree prepares students for careers in music performance, education, composition, conducting, retail music industry, music publishing, and music therapy. The degree also prepares students for further study at a four-year institution.

Certificates of Achievement

Commercial Music, Audio Production Emphasis Certificate

This program is designed as introductory preparation for employment in audio engineering. Courses in the theory and practice of recording techniques are offered to give students a well-rounded foundation to begin work and/or to pursue a four-year degree.

Certificate Requirements

Course Code	Course Title	Units
MUFHL 309	Introduction to American Popular Music	3
MUFHL 320	Exploring Music	3
MUSM 110	The Business of Music	3
MUSM 306	Live Sound Reinforcement	3
MUSM 342	Recording Studio Techniques I	3
MUSM 344	Recording Studio Techniques II	3

Course Code	Course Title	Units
MUSM 350	Recording Studio Techniques III	3
MUSM 356	Pro Tools 101, Introduction to Pro Tools	1.5
MUSM 357	Pro Tools 110 Intermediate Pro Tools	1.5
MUSM 362	Mixing and Mastering Music Projects	3
MUSM 366	Pro Tools 201, Advanced Pro Tools	1.5
MUSM 367	Audio for Video Post Production	3
A minimum of 5.5 units from the following:		5.5
MUFHL 305	Music Appreciation (3)	
MUFHL 481	Survey of Music History and Literature (Greek Antiquity to 1750) - Honors (3)	
or MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 482	Survey of Music History and Literature (1750 to the present) - Honors (3)	
or MUFHL 311	Survey of Music History and Literature (1750 to the present) (3)	
MUFHL 315	Jazz History (3)	
MUIVI 345	Beginning Piano I (1 - 2)	
MUSM 115	The Development and Management of an Independent Record Label (3)	
MUSM 330	Introduction to MIDI: Musical Instrument Digital Interface (2.5)	
MUSM 331	Intermediate MIDI: Musical Instrument Digital Interface (2.5)	
MUSM 361	Advanced Studio Sessions (3)	
Total Units:		**37**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- operate music recording equipment using various music recording workflows.
- describe the processes involved in recording music groups in the semi-professional or home recording studio.
- display skills needed to conduct a professional music recording session.
- properly use the equipment found in recording studios to achieve successful outcomes to a variety of activities common to the music recording workflow.
- successfully complete projects in music mixing and audio post-production using both analog and digital platforms.

Career Information

The Commercial Music, Audio Production Certificate program provides students with training toward career paths as audio engineers in professional recording studios, multi-media, and post-production audio specialists in corporate audio-visual departments and as owner/engineers in smaller demo production studios.

Commercial Music, Music Business Management Emphasis Certificate

This program is designed to prepare students for entry level positions in the music industry in the areas of artist management, music publishing, talent agencies, concert promotion, and music distribution and retail; it also prepares students to effectively manage and organize self-produced music projects.

Certificate Requirements

Course Code	Course Title	Units
BUS 300	Introduction to Business	3
MGMT 304	Principles of Management	3
MUFHL 309	Introduction to American Popular Music	3
MUSM 110	The Business of Music	3
MUSM 115	The Development and Management of an Independent Record Label	3
MUSM 116	Legal Aspects Of The Music Industry	3
A minimum of 12 units from the following:		12
Select at least one course from each group.		
Business Management		
ACCT 101	Fundamentals of College Accounting (3)	
CISA 305	Beginning Word Processing (2)	
CISA 340	Presentation Graphics (2)	
MGMT 308	Personnel and Human Resources Management (3)	
TA 440	Arts Management (3)	
Communication Skills		
COMM 321	Interpersonal Communication (3)	
COMM 331	Group Discussion (3)	
COMM 361	The Communication Experience (3)	
MGMT 372	Human Relations and Organizational Behavior (3)	
PSYC 358	Principles of Interpersonal Relations (3)	
Retail Marketing		
MKT 300	Principles of Marketing (3)	
MKT 310	Selling Professionally (3)	
MKT 314	Advertising (3)	
Total Units:		**30**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- understand the structure and recent history of the U.S. music industry.
- demonstrate an understanding of key music industry concepts including copyright, music publishing, ownership and licensing of works, First Use, Fair Use, and Public Domain.
- demonstrate knowledge of legal, accounting, and managerial practices including recording artist agreements, recoupment, royalties, advances, licensing, artist management, and representation.

- enumerate, explain, and objectively evaluate methods of music promotion including publicity, distribution, touring, downloads, licensing, and "do-it-yourself" techniques.
- create outlines, schedules, budgets, and promotional materials used in music management, marketing, and business relations.
- analyze and interpret the effects of technology on legal, artistic, and financial aspects of the music industry.

Career Information

Artist management and representation, independent recording labels, music publishing and licensing, music legal services, music publicity and public relations, concert promotion, music retail and distribution; self-management, artist-owned recording labels, and "do-it-yourself" music pursuits.

Commercial Music, Performance Emphasis Certificate

This program is designed to prepare students to perform in the styles of popular music most often heard on radio, television, and in live concert venues.

Certificate Requirements

Course Code	Course Title	Units
MUFHL 309	Introduction to American Popular Music	3
MUFHL 320	Exploring Music	3
MUFHL 400	Music Theory and Musicianship I	4
MUFHL 401	Music Theory and Musicianship II	4
MUIVI 345	Beginning Piano I	1 -2
MUIVI 380	Improvisation Workshop I	2
MUIVI 410	Applied Music	1
MUSM 110	The Business of Music	3
MUSM 330	Introduction to MIDI: Musical Instrument Digital Interface	2.5
MUSM 331	Intermediate MIDI: Musical Instrument Digital Interface	2.5
MUSM 342	Recording Studio Techniques I	3
A minimum of 1 unit from the following:		1
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 340	Symphonic Band (2)	
MUP 355	College Choir (2)	
MUP 406	Vocal Ensemble (2)	
MUP 424	Commercial Music Ensemble (2)	
A minimum of 5 units from the following:		5
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 311	Survey of Music History and Literature (1750 to the present) (3)	
MUFHL 321	Basic Musicianship (3)	
MUFHL 330	World Music (3)	
MUFHL 410	Music Theory and Musicianship III (4)	
MUFHL 411	Music Theory and Musicianship IV (4)	
MUFHL 430	Commercial Harmony and Arranging I (2)	
MUFHL 431	Commercial Harmony and Arranging II (2)	
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 335	Mentorship & Vocal Repertoire (2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 365	Popular Piano Styles I (1)	
MUSM 320	Contemporary Songwriting (3)	
MUSM 321	Contemporary Songwriting (3)	
MUSM 344	Recording Studio Techniques II (3)	
MUSM 350	Recording Studio Techniques III (3)	
Total Units:		**35 - 36**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate performance ability on a chosen instrument(s).
- demonstrate knowledge of contemporary musical styles.
- demonstrate basic knowledge of the audio recording process.
- participate in an audio recording session as a performer.
- demonstrate basic improvisational techniques.
- design and implement a practice routine for maintaining and improving performance skills.

Career Information

This program is for the student who is interested in being a performer of various styles of popular music, both live and recorded.

Commercial Music, Songwriting/ Arranging Emphasis Certificate

This program is designed to prepare students for free-lance employment in song-publishing, submission of songs to major recording artists, composition of jingles for advertising agencies, arranging music for schools and churches, and song demo production using MIDI techniques.

Certificate Requirements

Course Code	Course Title	Units
MUFHL 309	Introduction to American Popular Music	3
MUFHL 320	Exploring Music	3
MUFHL 400	Music Theory and Musicianship I	4

Course Code	Course Title	Units
MUFHL 401	Music Theory and Musicianship II	4
MUIVI 345	Beginning Piano I	1 -2
MUSM 110	The Business of Music	3
MUSM 320	Contemporary Songwriting	3
MUSM 321	Contemporary Songwriting	3
MUSM 330	Introduction to MIDI: Musical Instrument Digital Interface	2.5
MUSM 331	Intermediate MIDI: Musical Instrument Digital Interface	2.5
MUSM 342	Recording Studio Techniques I	3
A minimum of 5 units from the following:		5
ENGCW 400	Creative Writing (3)	
ENGLT 303	Introduction to the Short Story (3)	
MUFHL 305	Music Appreciation (3)	
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 311	Survey of Music History and Literature (1750 to the present) (3)	
MUFHL 315	Jazz History (3)	
MUFHL 321	Basic Musicianship (3)	
MUFHL 330	World Music (3)	
MUFHL 410	Music Theory and Musicianship III (4)	
MUFHL 411	Music Theory and Musicianship IV (4)	
MUFHL 430	Commercial Harmony and Arranging I (2)	
MUFHL 431	Commercial Harmony and Arranging II (2)	
MUP 424	Commercial Music Ensemble (2)	
MUSM 344	Recording Studio Techniques II (3)	
MUSM 350	Recording Studio Techniques III (3)	
Total Units:		**37 - 38**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- compose music and words for contemporary commercial styles songs.
- create arrangements of songs for small ensembles.
- record basic audio and MIDI tracks for demo purposes.
- demonstrate basic knowledge concerning music contracts, copyrights, and royalties.

Career Information

This program is for the student who is interested in being a freelance songwriter and arranger for commercial groups, advertising, schools, and churches.

Music - Fundamentals, History, and Literature (MUFHL) Courses

MUFHL 305 Music Appreciation

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID MUS 100

This course is an introduction to classical music style and composers. It includes a study of the basic elements of music (melody, harmony, form, etc.) and musical instruments, a historical survey of classical music (and its relation to music in our own time), and some techniques for listening to and enjoying music of all genres. No previous musical experience is required.

MUFHL 309 Introduction to American Popular Music

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course introduces students to the history of popular music in America and the diversity of historical styles including classic rock, hard rock, country, jazz, R & B, blues, Latin, rap, reggae, folk, and others. The emphasis of the course is on listening to music. The course also explores the relationship of popular music to society and other media art forms such as music videos and film.

MUFHL 310 Survey of Music History and Literature (Greek Antiquity to 1750)

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a historical survey of Western classical music from Greek antiquity through the Baroque period (c.1750). Students use listening exercises and readings to study the development of classical music in historical and cultural contexts. Students study the aesthetic principles and values of various eras to develop their own musical and artistic judgments. This course is required for General Music Majors.

MUFHL 311 Survey of Music History and Literature (1750 to the present)

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a historical survey of Western classical music from the 18th Century Enlightenment through modern times. Students use listening exercises and readings to study the development of classical music in historical and cultural contexts. Students study the aesthetic principles and values of various eras to develop their own musical and artistic judgments. This course is required for General Music Majors.

MUFHL 315 Jazz History

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course introduces students to the rich history of jazz and related styles including blues, New Orleans and Chicago Dixieland, big band, bebop, cool jazz, jazz-rock fusion, avant-garde, popular jazz, Latin jazz, and many others. The emphasis of the course is on listening to music. The course also explores past and current trends in the relationship of jazz to popular styles such as rhythm and blues, hip-hop, funk, and others. Current and historical cultural influences from African, European and Latin-American sources and their effect on jazz styles are identified and compared.

MUFHL 320 Exploring Music

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID MUS 110

This course is an introduction to the basics of music reading and understanding. Students learn to read rhythms and pitches, to write and play scales and chords, and to analyze and write small song forms. Through analytical and creative assignments, students will also examine historical and cultural perspectives to gain an aesthetic appreciation of this art form. This course is recommended as a general humanities class to those students majoring in audio-engineering and to those music majors who have not had sufficient preparation for MUFHL 400. This course is also recommended for those students interested in teaching children and those registered in beginning instrumental or voice classes.

MUFHL 321 Basic Musicianship

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC

This course is designed as a starting point for students with little to no musical experience. The course concentrates on reading and understanding (visually, aurally, and kinesthetically) music notation, texture, and form. Musical literacy, interpretation, and expression will be reinforced through ear training, sight-singing, melodic, harmonic, and rhythmic dictation.

MUFHL 330 World Music

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A

This course is an introduction to traditional folk, dance, devotional, and popular music from around the world. The emphasis of the course is on listening to music. Music of Africa, Asia and Pacific, Caribbean, Latin and North America, Europe, India, and the Middle East will be compared. Concepts of ethnicity, ethnocentrism, racism, ageism, class differences, and gender issues will be addressed. Occasional live performances by guest artists will be presented in class.

MUFHL 400 Music Theory and Musicianship I

Units: 4
Hours: 72 hours LEC; 18 hours LAB
Prerequisite: None.
Advisory: MUIVI 345; with a grade of “C” or better. Students should have some ability to play a musical instrument and read music. Concurrent enrollment in MUIVI 345 is recommended if the student has had no piano study.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID MUS 120

This course is an introduction to music theory and its applications to classical and commercial music. Students will develop skills in musical analysis, keyboard harmony, dictation, and sight-singing. Short creative assignments will also be included.

MUFHL 401 Music Theory and Musicianship II

Units: 4
Hours: 72 hours LEC; 18 hours LAB
Prerequisite: MUFHL 400 with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area C1; IGETC Area 3A
C-ID: C-ID MUS 130

This course is a study of intermediate-level harmony, part writing, and small forms in classical and commercial music. It

includes the continued development of keyboard, dictation, and sight-singing skills. Short composition assignments are also included.

MUFHL 410 Music Theory and Musicianship III

Units: 4
Hours: 72 hours LEC; 18 hours LAB
Prerequisite: MUFHL 401 with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area C1; IGETC Area 3A
C-ID: C-ID MUS 140

This course is a study of advanced-level, chromatic harmony (secondary dominants and leading tone sevenths, borrowed, Neapolitan, and augmented 6th chords), and small instrumental and vocal forms in classical and commercial styles. It includes the continued development of keyboard, dictation, and sight-singing skills. Short composition assignments are also included.

MUFHL 411 Music Theory and Musicianship IV

Units: 4
Hours: 72 hours LEC; 18 hours LAB
Prerequisite: MUFHL 410 with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area C1; IGETC Area 3A
C-ID: C-ID MUS 150

This course is a study of more advanced chromatic harmony, extended harmonic structures, and modern techniques such as quartal harmony, synthetic scales, set theory, and serialism. It includes the continued development of keyboard, dictation, and sight-singing skills. Short composition assignments are also included.

MUFHL 430 Commercial Harmony and Arranging I

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: MUFHL 401 with a grade of "C" or better
Transferable: CSU

This course introduces students to the study and application of practical harmony and arranging, using a variety of commercial styles such as jazz, rock, salsa, pop, and fusion.

MUFHL 431 Commercial Harmony and Arranging II

Units: 2
Hours: 36 hours LEC
Prerequisite: MUFHL 430 with a grade of "C" or better
Transferable: CSU

This course provides students with a more advanced capability in practical harmony and arranging using a variety of commercial styles such as pop, jazz, rock, salsa, and fusion.

MUFHL 481 Survey of Music History and Literature (Greek Antiquity to 1750) - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for the Honors Program
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a survey of Western classical music from the time of Greek antiquity through the Baroque period (ca. 1750). Students use listening exercises, source readings, and group projects to study the development of classical music in historical and cultural contexts. Students study the aesthetic principles and values from various eras to develop their own musical and artistic judgments. This course meets the music history (MUFHL 310) requirement for music majors. This honors section leads the student through an intensive and scholarly approach to the subject matter in a seminar environment and uses an intensive instructional methodology designed to challenge motivated students.

Students can receive credit for MUFHL 310 or MUFHL 481, but not for both.

MUFHL 482 Survey of Music History and Literature (1750 to the present) - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for the Honors Program.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a survey of Western classical music from the time of 18th century Enlightenment to the present. Students use listening exercises, source readings and group projects to study the development of classical music in historical and cultural contexts. Students study the aesthetic principles and values from various eras to develop their own musical and artistic judgments. This course meets the music history requirement (MUFHL 311) for music majors. This honors section leads the student through an intensive and scholarly approach to the subject matter in a seminar environment and uses an intensive instructional methodology designed to challenge motivated students. Students can receive credit for MUFHL 311 or MUFHL 482, but not for both.

MUFHL 495 Independent Studies in Music Fundamentals/History and Literature

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Music Fundamentals, History, and Literature offers students

a chance to do research that is more typical of students in advanced music theory and history courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

MUFHL 499 Experimental Offering in Music Fundamentals/History and Literature

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Music - Instrumental/Voice Instruction (MUIVI) Courses

MUIVI 315 Beginning Voice

Units: 1 - 2
Hours: 18 hours LEC; 18 - 54 hours LAB
Course Family: Traditional Voice Fundamentals
Prerequisite: None.
Advisory: MUFHL 321 with a grade of "C" or better
Transferable: CSU; UC

This course is a study of the fundamentals of voice production. Vocal function topics are practiced and observed in rehearsals and performances of solos by class members.

MUIVI 325 Intermediate Voice

Units: 2
Hours: 36 hours LEC; 18 hours LAB
Course Family: Traditional Voice Fundamentals
Prerequisite: MUIVI 315 with a grade of "C" or better
Transferable: CSU; UC

Students study and perform vocal function exercises and analyze vocal music literature for the development of efficient singing techniques. Performance of vocal music is emphasized.

MUIVI 330 Advanced Voice

Units: 2
Hours: 36 hours LEC; 18 hours LAB
Course Family: Traditional Voice Technique and Repertoire
Prerequisite: MUIVI 325 with a grade of "C" or better
Transferable: CSU; UC

This course focuses on the development of the voice and vocal repertoire for advanced vocal students. The music literature includes classical, sacred songs, musical theater, pop, or jazz. All students will perform as soloists in class and in vocal recitals open to the public.

MUIVI 335 Mentorship & Vocal Repertoire

Units: 2
Hours: 36 hours LEC; 18 hours LAB
Course Family: Traditional Voice Technique and Repertoire
Prerequisite: None.
Transferable: CSU; UC

This course is designed for the student who wants to continue their vocal studies through a fourth semester. Students who are in this course study with a qualified voice teacher, create a vocal resume, perform in two department vocal recitals, and develop skills in mentoring and tutoring beginning voice students. This course provides students the opportunity to study, rehearse, and perform vocal repertoire that meets the minimum standards to audition into the vocal performance degree program for the CSU system or to other universities with a similar audition requirements.

MUIVI 345 Beginning Piano I

Units: 1 - 2
Hours: 18 hours LEC; 18 - 54 hours LAB
Course Family: Traditional Piano Fundamentals
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC

This course is an introduction to basic piano playing and is required for all General and Commercial Music majors. The course prepares the transferring student for a piano placement examination. A minimum of two hours a week outside practice is required for the two-unit option. Students must have access to a piano or keyboard (available on campus).

MUIVI 346 Beginning Piano II

Units: 1 - 2
Hours: 18 hours LEC; 18 - 54 hours LAB
Course Family: Traditional Piano Fundamentals
Prerequisite: MUIVI 345 with a grade of "C" or better
Transferable: CSU; UC

This course is a continuation of MUIVI 345. The course prepares the transferring student for a piano placement examination. A minimum of two hours a week outside practice is required for the two-unit option. Students must have access to a piano or keyboard (available on campus).

MUIVI 355 Intermediate Piano I

Units: 1 - 2
Hours: 18 hours LEC; 18 - 54 hours LAB
Course Family: Traditional Piano Technique and Repertoire
Prerequisite: MUIVI 346 with a grade of "C" or better
Transferable: CSU; UC

This course is an intermediate study of piano designed for both the general and commercial music major and non-music major. Training includes technique and repertoire for those students who have acquired a basic knowledge of playing and reading music written for the piano. Students must have access to a piano or keyboard (available on campus).

MUIVI 356 Intermediate Piano II

Units: 1 - 2
Hours: 18 hours LEC; 18 - 54 hours LAB
Course Family: Traditional Piano Technique and Repertoire
Prerequisite: MUIVI 355 with a grade of "C" or better
Transferable: CSU; UC

This course is a continuation of MUIVI 355. It is an intermediate study of piano designed for both the General and Commercial Music major and non-music major. Training includes technique and repertoire for those students who have acquired a basic knowledge of playing and reading music written for the piano. Students must have access to a piano or keyboard (available on campus).

MUIVI 357 Advanced Piano I

Units: 1 - 2
Hours: 18 hours LEC; 18 - 54 hours LAB
Course Family: Traditional Piano Technique and Repertoire
Prerequisite: MUIVI 356 with a grade of "C" or better
Transferable: CSU; UC

This course is an advanced study of piano, designed primarily for the Music major or for non-music majors who have advanced skills. Training includes technique and repertoire for students who have previously acquired an intermediate level knowledge of the piano. Students must have access to a piano or keyboard (available on campus).

MUIVI 358 Advanced Piano II

Units: 1 - 2
Hours: 18 hours LEC; 18 - 54 hours LAB
Course Family: Traditional Piano Technique and Repertoire
Prerequisite: MUIVI 357 with a grade of "C" or better
Transferable: CSU; UC

This course is an advanced study of piano, a continuation of the work begun in MUIVI 357. It is designed primarily for the Music major or for non-music majors who have advanced skills. Training includes technique and repertoire for students who have previously acquired an intermediate level knowledge of the piano. Students must have access to a piano or keyboard (available on campus).

MUIVI 365 Popular Piano Styles I

Units: 1
Hours: 18 hours LEC; 18 hours LAB
Course Family: Popular Piano
Prerequisite: MUIVI 355 with a grade of "C" or better or by demonstrating equivalent skills.
Transferable: CSU; UC

This is an intermediate level course in popular piano styles and techniques. Students will learn how to harmonize, solo, improvise, and accompany others in blues, rock, jazz, country, R & B, and Latin styles.

MUIVI 366 Popular Piano Styles II

Units: 1
Hours: 18 hours LEC; 18 hours LAB
Course Family: Popular Piano
Prerequisite: MUIVI 365 with a grade of "C" or better; or by demonstrating equivalent skills
Transferable: CSU; UC

This is an intermediate level course in popular piano styles and techniques. Students will continue to learn how to harmonize, solo, improvise, and accompany others in blues, rock, jazz, country, R & B, and Latin styles.

MUIVI 367 Popular Piano Styles III

Units: 1
Hours: 18 hours LEC; 18 hours LAB
Course Family: Popular Piano
Prerequisite: MUIVI 366 with a grade of "C" or better; or by demonstrating equivalent skills
Transferable: CSU; UC

This is an intermediate/advanced level course in popular piano styles and techniques. Students will learn new ways to harmonize, solo, improvise, and accompany others in blues, rock, jazz, country, R & B, and Latin styles.

MUIVI 368 Popular Piano Styles IV

Units: 1
Hours: 18 hours LEC; 18 hours LAB
Course Family: Popular Piano
Prerequisite: MUIVI 367 with a grade of "C" or better; or by demonstrating equivalent skills
Transferable: CSU; UC

This is an intermediate to advanced level course in popular piano styles and techniques. Students will learn new ways to harmonize, solo, improvise, and accompany others in blues, rock, jazz, country, R & B, and Latin styles, as well as modern pop styles.

MUIVI 370 Beginning Guitar

Units: 2
Hours: 36 hours LEC; 18 hours LAB
Course Family: Traditional Guitar and Bass
Prerequisite: None.
Transferable: CSU; UC

This is a beginning-level course designed to familiarize students with the techniques and repertoire of the guitar. Students learn to play the instrument through the use of technical exercises and reading music notation. Simple chord progressions with both strumming and finger-style techniques will be covered. Students will need their own instrument.

MUIVI 371 Intermediate Guitar

Units: 2
Hours: 36 hours LEC; 18 hours LAB
Course Family: Traditional Guitar and Bass
Prerequisite: MUIVI 370 with a grade of "C" or better
Transferable: CSU; UC

This course is designed to increase repertoire, develop technical skills, and improve sight-reading ability. In addition, ensemble playing will be emphasized and fingerboard theory and harmony will be explored.

MUIVI 372 Advanced Guitar

Units: 2
Hours: 36 hours LEC; 18 hours LAB
Course Family: Traditional Guitar and Bass
Prerequisite: MUIVI 371 with a grade of "C" or better; or equivalent experience.
Advisory: MUFHL 321 with a grade of "C" or better
Transferable: CSU; UC

This course includes higher-level note reading, accompaniment techniques, and ensemble playing. The development of personal style is encouraged. Advanced Guitar allows the student to continue studying the guitar past the first year. Students may wish to challenge the prerequisite on the basis of equivalent experience. Students must provide their own guitars.

MUIVI 373 Popular Electric Bass Styles I

Units: 1
Hours: 18 hours LEC; 18 hours LAB
Course Family: Popular Guitar and Bass
Prerequisite: None.
Transferable: CSU; UC

This course introduces electric bass techniques in several popular music styles: rock, blues, funk, jazz, country, and fusion. Both lead and rhythm guitar skills will be developed with an emphasis on improvisation and fingerboard harmony.

MUIVI 374 Popular Electric Bass Styles II

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Course Family: Popular Guitar and Bass
Prerequisite: None.
Transferable: CSU; UC

This course explores the elements of contemporary electric bass styles, including swing, blues, funk, Latin, reggae, and fusion.

MUIVI 375 Popular Electric Guitar Styles I

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Course Family: Popular Guitar and Bass
Prerequisite: None.
Advisory: MUIVI 370 with a grade of "C" or better
Transferable: CSU; UC

This course introduces electric guitar techniques in several popular music styles: rock, blues, funk, jazz, country, and fusion. Both lead and rhythm guitar skills will be introduced with an emphasis on improvisation and fingerboard harmony. This course is intended for students with basic guitar skills.

MUIVI 377 Popular Electric Guitar Styles II

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Course Family: Popular Guitar and Bass
Prerequisite: MUIVI 375 with a grade of "C" or better; or by demonstrating equivalent skills
Advisory: MUIVI 370 with a grade of "C" or better
Transferable: CSU; UC

This course expands on beginning electric guitar techniques in several popular music styles: rock, blues, funk, jazz, country, and fusion. Both lead and rhythm guitar skills will be developed with an emphasis on improvisation and fingerboard harmony.

MUIVI 378 Popular Electric Guitar Styles III

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Course Family: Popular Guitar and Bass
Prerequisite: MUIVI 377 with a grade of "C" or better; or by demonstrating equivalent skills
Advisory: MUIVI 370 with a grade of "C" or better
Transferable: CSU; UC

This course introduces intermediate electric guitar techniques in several popular music styles: rock, blues, funk, jazz, country, and fusion. Both lead and rhythm guitar skills will be developed with an emphasis on improvisation and fingerboard harmony.

MUIVI 379 Popular Electric Guitar Styles IV

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Course Family: Popular Guitar and Bass
Prerequisite: MUIVI 378 with a grade of "C" or better; or by demonstrating equivalent skills
Advisory: MUIVI 370 with a grade of "C" or better
Transferable: CSU; UC

This course develops more complex electric guitar techniques in several popular music styles: rock, blues, funk, jazz, country, and fusion. Both advanced lead and rhythm guitar skills will be developed with an emphasis on improvisation and fingerboard harmony.

MUIVI 380 Improvisation Workshop I

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Course Family: Jazz Instrumental
Prerequisite: None.
Enrollment Limitation: Ability to play a musical instrument.
Transferable: CSU; UC
General Education: CSU Area C1

This course is designed to give students an introduction to improvising in a variety of styles. Students will learn about basic scale and chord materials and song forms needed to improvise. Students will gain practical experience playing with others.

MUIVI 381 Improvisation Workshop II

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Course Family: Jazz Instrumental
Prerequisite: MUIVI 380 with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area C1

This course continues work started in MUIVI 380. Students will learn about intermediate-level scale and chord materials and song forms needed to improvise. Students will gain practical experience playing with others.

MUIVI 382 Improvisation Workshop III

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Course Family: Jazz Instrumental

Prerequisite: MUIVI 381 with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area C1

This course is a more advanced study of improvisational techniques. Students will learn about more complex scale and chord materials and song forms needed to improvise and will gain practical experience playing with others.

MUIVI 383 Improvisation Workshop IV

Units: 2
Hours: 27 hours LEC; 27 hours LAB
Course Family: Jazz Instrumental
Prerequisite: MUIVI 382 with a grade of "C" or better
Transferable: CSU; UC
General Education: CSU Area C1

This course is an advanced study of improvisational techniques. Students will learn about complex scale and chord materials and song forms needed to improvise and will gain practical experience playing with others.

MUIVI 405 Jazz & Pop Styles on Drum Set I

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Course Family: Popular Instrumental
Prerequisite: None.
Transferable: CSU; UC

This is an introductory course, which offers students methods of learning and practicing drum set skills and various jazz and pop styles: rock, jazz, fusion, soul, Rhythm and Blues, Latin, Brazilian, Reggae, and African. Big band jazz styles are included.

MUIVI 406 Jazz & Pop Styles on Drum Set II

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Course Family: Popular Instrumental
Prerequisite: MUIVI 405 with a grade of "C" or better
Transferable: CSU; UC

This course offers students methods of learning and practicing drum set skills and various jazz and pop styles: rock, jazz, fusion, soul, Rhythm and Blues, Latin, Brazilian, Reggae, and African. Big band jazz styles are included.

MUIVI 410 Applied Music

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Enrollment Limitation: Entrance audition by faculty jury.
Transferable: CSU; UC
C-ID: C-ID MUS 160

This course involves instrumental compositional, or vocal study of the appropriate techniques and repertoire for a specific instrument of voice being studied. It focuses on the progressive development of rehearsal and performance skills needed to be a solo performer. This course meets one hour per week so students can practice performing and to discuss topics related to performance practice. It includes seven hours of study by the guidance of a qualified mentor, sixteen hours of individual practice, three performances, and a final juried recital. This course may be repeated to meet the major requirement for transfer to CSU, Sacramento, or to other universities with a similar transfer requirement and may be taken four times for credit.

MUIVI 450 Popular Fiddle and Mandolin Instruction

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Prerequisite: None.
Enrollment Limitation: The ability to play the fiddle or mandolin at the intermediate level.
Transferable: CSU; UC

This course explores various popular fiddle and mandolin techniques and styles in the U.S. and around the world. It gives an historical overview of old-timey, blues, bluegrass, jazz, country, and rock approaches and techniques. The course also introduces various traditional ethnic styles and explores the adaptation of these styles to the modern popular commercial music scene. Both back-up and solo approaches to playing will be covered. This course will work with treble melody-chord charts of moderate difficulty.

MUIVI 452 World Drumming

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course is an introduction to a variety of world drumming traditions, the history, and the communal aspect music provides. Through active participation, demonstrations, and lectures students learn to read, write, and perform traditional and modern rhythms while developing skills for adaptation in music ensembles using collaboration, communication, and evaluation.

MUIVI 454 Indian Classical Fusion Improvisation

Units: 1
Hours: 12 hours LEC; 18 hours LAB
Prerequisite: None.
Enrollment Limitation: Ability to sing or to play any musical instrument. Students must provide their own musical instruments.
Transferable: CSU; UC (Textbooks must be dated within five years, please update.)

This course is the study and performance of the two elements of Indian classical music: Raga (melody) and Tala (rhythm). Students learn to use these elements to improvise and compose music in this tradition. Students learn about Raga permutation possibilities and playing in various talas (rhythmic cycles) such as: 10, 4 3/4, 9 1/4 beats. Students develop a sense of melodic freedom without having harmonic restrictions and explore many rhythmic possibilities found in Indian classical music. Students learn to synthesize Indian and Western roots to create new musical systems.

MUIVI 495 Independent Studies in Music Instrumental/Voice Instruction

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Instrumental or Vocal music offers students a chance to do research that is more typical of students in advanced instrumental or voice courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

MUIVI 499 Experimental Offering in Music Instrumental/Voice Instruction

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Music - Performance (MUP) Courses

MUP 325 Jazz Band

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Students should have the ability to read music notation and to play an instrument commonly found in jazz bands, such as the saxophone, trumpet, trombone, guitar, piano, bass, or drum set.
Transferable: CSU; UC
C-ID: C-ID MUS 180

This course includes the rehearsal and performance of jazz band arrangements in a wide variety of styles, such as swing, fusion, Latin, and funk. It fulfills the requirements for all music majors. Students need not be music majors to enroll in this course. This course may be taken four times for credit.

MUP 326 Advanced Jazz Band

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: MUP 325 with a grade of "C" or better
Transferable: CSU; UC

This course includes a continued, and more advanced experience in the rehearsal and performance of jazz band arrangements in a wide variety of styles, such as swing, fusion, Latin, and funk. It fulfills the requirements for all music majors. Students need not be music majors to enroll in this course. This course may be taken four times for credit.

MUP 335 Concert Band

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Ability to play an instrument commonly found in a concert band and read musical notation
Transferable: CSU; UC
C-ID: C-ID MUS 180

Students study and perform concert band literature covering a wide variety of styles, including classical, popular, Broadway, and jazz. Instructional assistants, with specialties in brass, woodwinds, and percussion are available weekly during rehearsal for coaching. Students need not be music majors to enroll in this course. This course may be taken four times for credit.

MUP 340 Symphonic Band

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Ability to play an instrument commonly found in a symphonic band and read musical notation
Transferable: CSU; UC
General Education: CSU Area C1

This course is the study and performance of symphonic literature in a wide variety of styles. This course fulfills the requirements for all music majors. Students need not be music majors to enroll in this course. This course may be taken four times for credit.

MUP 355 College Choir

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Students should have some choral experience and/or ability to read music notation. Students must be able to sing on pitch. These abilities would be evaluated by the instructor.
Transferable: CSU; UC
C-ID: C-ID MUS 180

This course is designed for the student interested in developing or learning how to sing in choral ensembles. The course includes rehearsal and performance of choral music covering a wide variety of styles. Upon completion of this course, the student will be able to demonstrate the ability to read, sing, and interpret choral music from different genres and historical periods.

MUP 356 Advanced College Choir

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: MUP 355 with a grade of "C" or better
Transferable: CSU
C-ID: C-ID MUS 180

This course provides continued study in the rehearsal and performance of choral music covering a wide variety of styles. Advanced ensemble members may conduct pieces and sectionals, perform in small ensembles, and lead the choir in vocal exercises.

MUP 406 Vocal Ensemble

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Audition required. The audition includes sight singing, the preparation of a musical excerpt, and an aural skills assessment. Auditions generally occur the first week of class and will be evaluated by the instructor.
Transferable: CSU; UC
C-ID: C-ID MUS 180

This course is an auditioned vocal ensemble that rehearses and performs a wide variety of vocal ensemble music. Students learn the inner workings of ensemble singing through studying, rehearsing, and performing small ensemble choral literature. The ensemble will represent Sacramento City College through on and off campus performances, festivals, and workshops. This course may be taken up to four times for credit.

MUP 407 Advanced Vocal Ensemble

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: MUP 406 with a grade of "C" or better
Transferable: CSU; UC
C-ID: C-ID MUS 180

This is an advanced course for the rehearsal and performance of vocal ensemble music and is designed for the student who has choral experience and the ability to read music notation. Students learn the inner workings of ensemble singing through studying, rehearsing, and performing small ensemble choral literature. The ensemble will represent Sacramento City College through on- and off-campus performances, festivals, and workshops. This course may be taken up to four times for credit.

MUP 422 Special Ensemble Participation

Units: 0.5 - 2
Hours: 27 - 108 hours LAB
Prerequisite: None.
Enrollment Limitation: Students should have the ability to play a musical instrument.
Transferable: CSU; UC

This course is open to all students who sing or play musical instruments. Instrumentation of groups will vary, including jazz combo, piano quintet, guitar ensemble, and related music as well as choral groups.

MUP 424 Commercial Music Ensemble

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: An audition is required before students may enroll in the class. Students must have the ability to play an instrument at an intermediate level.
Transferable: CSU; UC
C-ID: C-ID MUS 180

This course includes the rehearsal, performance, and recording of contemporary pop and commercial styles: jazz and rock fusion, rhythm and blues, soul, folk, urban styles, country, and Latin. This course may be taken up to four times for credit.

MUP 426 World Music Ensemble

Units: 1
Hours: 18 hours LEC; 18 hours LAB
Prerequisite: None.
Enrollment Limitation: Ability to play an instrument
Transferable: CSU; UC

This course explores the performance of selected musical styles of different world cultures, such as Celtic, European, Asian, African, Latin American, Native American, Middle Eastern, and combinations thereof. This course accommodates students of various instrumentation, musical backgrounds, and competence. Performance is not required, but is encouraged.

MUP 427 Advanced World Music Ensemble

Units: 1
Hours: 18 hours LEC; 18 hours LAB
Prerequisite: MUP 426 with a grade of "C" or better
Transferable: CSU; UC (Textbooks must be dated within five years, please update.)

This course explores advanced performance techniques of selected musical styles of different world cultures, such as Celtic, European, Asian, African, Latin American, Native American, Middle Eastern, and combinations thereof. This course accommodates students of various instrumentation, musical backgrounds, and competence. Performance is not required, but is encouraged.

MUP 495 Independent Studies in Music Performance

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Music Performance offers students a chance to do research that is more typical of students in advanced performance courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

MUP 499 Experimental Offering in Music Performance

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Music - Specializations in Music (MUSM) Courses

MUSM 110 The Business of Music

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course presents an overview of business practices and economics of the commercial music industry, including copyrights, music publishing, mechanical licenses, recording contracts, advances, royalties, revenue streams, licensing music for film and television, artist management, talent agents, touring, merchandising, record producers, band membership, touring, digital rights management, and effects of technology on revenue and business models.

MUSM 115 The Development and Management of an Independent Record Label

Units: 3
Hours: 54 hours LEC
Prerequisite: MUSM 110 with a grade of "C" or better

This course provides students with a detailed study of the start-up and management of an independent music company to release their own music or the music of others. Topics include: start-up and staffing, locating talent, budgets and schedules, record-keeping, licenses, contracts, record label functions and responsibilities, marketing strategies and schedules, publicity, promotion, channels of distribution, do-it-yourself (D.I.Y.) options, and technology in music promotion and distribution.

MUSM 116 Legal Aspects Of The Music Industry

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course covers the following legal issues in the music industry: first use, joint works, copyright, compulsory licensing, notice of intent, trademarks, service marks, music publishing, recording contracts, ownership of master recordings, sample clearance, performance agreements, grants of rights, webcasting, fair use, the Creative Commons, and work-for-hire.

MUSM 306 Live Sound Reinforcement

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MUSM 342 with a grade of "C" or better
Transferable: CSU
C-ID: C-ID CMUS 120X

The course presents an introduction to live sound mixing directed toward employment in the sound reinforcement industry and in operating sound systems in concert venues, churches, for both mobile and fixed installations. Students will develop skills in operating mixing consoles, speaker placement, microphone techniques, room equalization, reverb, delay, and other effects (gate/compressor/limiters etc.). Students will learn practical techniques for getting the best concert sound.

MUSM 315 Careers in Music

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

This course is designed to assist the music major with a music degree program, the college experience, and a career in music. Students will learn about academic and professional expectations and will develop skills to meet them. The topics will include campus resources, academic advising, making career choices, building a portfolio, getting recommendation letters, mentorship, social networking, commissioning, branding, performance and wellness, as well as tips on staying motivated, assessing one's strengths and weaknesses, and managing time and stress. This course is recommended for music students and professionals, emerging musicians and mid-career artists, or anyone interested in a career in music.

MUSM 320 Contemporary Songwriting

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU
C-ID: C-ID CMUS 150X

This course covers the process of writing popular songs, including writing lyrics, designing instrumental and vocal arrangements, studying melodic and harmonic skills, learning popular song forms, analyzing musical styles, and creating lead sheets.

MUSM 321 Contemporary Songwriting

Units: 3
Hours: 54 hours LEC
Prerequisite: MUSM 320 with a grade of "C" or better
Transferable: CSU

This course covers advanced processes of popular songwriting, including production and song evaluation, lyrical interpretation, publishing songs, and the songwriters' marketing system.

MUSM 322 Introduction to Film Music

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MUFHL 401 with a grade of "C" or better
Transferable: CSU

This course is an introduction to the different aspects of writing and producing music for film and television. Students will explore the mechanics of putting music to film and video, compositional techniques, and the history of musical styles in film. Students will learn about finding work in this field and gain hands-on experience by completing a creative project.

MUSM 330 Introduction to MIDI: Musical Instrument Digital Interface

Units: 2.5
Hours: 34 hours LEC; 33 hours LAB

Prerequisite: None.
Advisory: MUFHL 320 and MUIVI 345 with grades of "C" or better
Transferable: CSU
C-ID: C-ID CMUS 110X

This is an introductory course to the fields of music technology and desktop music production. Students will utilize contemporary computer, software, and electronic instrument technology to create music of diverse styles and genres. Students will learn the techniques of using Digital Audio Workstation (DAW) software to record, edit, apply effects, and mixdown MIDI and audio tracks to complete creative projects.

MUSM 331 Intermediate MIDI: Musical Instrument Digital Interface

Units: 2.5
Hours: 34 hours LEC; 33 hours LAB
Prerequisite: MUSM 330 with a grade of "C" or better
Transferable: CSU

This course builds on skills learned in MUSM 330 and concentrates on refining the skills of using Digital Audio Workstation (DAW) software to record, edit, apply effects, and mixdown MIDI and audio tracks to complete creative projects. Students can also work on projects combining music and other media, such as video and computer games.

MUSM 336 Music Project Studio

Units: 1
Hours: 54 hours LAB
Prerequisite: MUSM 331 with a grade of "C" or better
Transferable: CSU

This is a lab course for students who have completed MUSM 331 (Intermediate MIDI) and who want to work on a creative project independently. A typical project could include completing a demo recording utilizing the MIDI and audio resources at the college. Students work independently but confer with faculty during the course of the project. They present their final work at the end of the semester for critique and evaluation.

MUSM 342 Recording Studio Techniques I

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU
General Education: CSU Area C1
C-ID: C-ID CMUS 130X

This course is an introduction to audio engineering in the recording studio including multi-track recording, microphone selection and use, mixing console, signal processing, and four-track demo production. MUSM 342 is the first semester course in the audio production degree program.

MUSM 344 Recording Studio Techniques II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MUSM 306 or 342 with a grade of "C" or better
Transferable: CSU
General Education: CSU Area C1

This lecture and lab class builds on topics covered in MUSM 342 and MUSM 306. It uses 24-track recording techniques utilizing the MCI nJH-24 and Pro Tools HDX. Students will use the Audient 8024 mixing console for audio routing and Pro Tools control. Basic, as well as advanced, microphone techniques, acoustics, recording studio design, mixing, monitoring, and audio measurement are covered. Students have the opportunity to engineer live studio recording sessions during class.

MUSM 350 Recording Studio Techniques III

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MUSM 344 and 356 with grades of "C" or better
Transferable: CSU

This course is a lecture and lab course that covers the proper operation of multi-track digital and analog studio recording equipment used in the SCC Audio Control Room, including the Avid Pro Tools HDX system and the Audient 8024-HE 24 channel analog console and the MCI JH-24 analog tape machine.

MUSM 356 Pro Tools 101, Introduction to Pro Tools

Units: 1.5
Hours: 27 hours LEC
Prerequisite: MUSM 306 or 342 with a grade of "C" or better
Corequisite: MUSM 344
Transferable: CSU

This course is conducted in the Music Department's Mac computer lab. It is an introductory course to Avid’s Pro Tools digital audio workstation software application. This is the first course offering as part of the College's Avid Certified Training Location alliance. This course trains students in the basic operation of Pro Tools. Students learn how to record, edit, and mix music and MIDI within the Pro Tools application.

MUSM 357 Pro Tools 110 Intermediate Pro Tools

Units: 1.5
Hours: 27 hours LEC
Prerequisite: MUSM 342 and 356 with grades of "C" or better
Corequisite: MUSM 344
Transferable: CSU

This course offers intermediate level instruction in the skills needed to operate Avid's Pro Tools digital audio workstation hardware and software applications. This course trains students in recording, editing and mixing audio, and MIDI within the Pro Tools environment. It is conducted in the Music Department's Mac computer lab.

MUSM 358 Pro Tools for Game Audio

Units: 1.5
Hours: 27 hours LEC

Prerequisite: MUSM 356 and 357 with grades of "C" or better
Transferable: CSU

This course provides students with the opportunity to learn the basic skills, concepts, and workflows involved in creating audio for use in gaming using Pro Tools systems. It covers basic sound design techniques along with example workflows. Session time is divided between demonstration and hands-on practice, with ample time to experiment with sample material.

MUSM 361 Advanced Studio Sessions

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MUSM 350 with a grade of "C" or better
Transferable: CSU

This course focuses on expanding the skills mastered in MUSM 350 by offering studio recording sessions that are entirely student-planned, organized, and completed. Students will select appropriate equipment for the project and configure preamps, compressors, and cat5 based headphone mixers. Students will use automation and outboard equipment to complete tracking, mixing, and mastering using analog tape and Pro Tools HDX.

MUSM 362 Mixing and Mastering Music Projects

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MUSM 350, 356, and 357 with grades of "C" or better
Transferable: CSU

This course instructs students in the methods used to create professional mixes from multi-track master recordings in analog or digital formats. Advanced techniques in equalization, spatial placement, automation, and reverberation are investigated. Students' lab work is regularly presented in class for critical evaluation. A routine component of the course is listening exercises to develop critical listening skills in the students. The Music Department's Avid Pro Tools HD Digital Audio Workstation will be used by students for their mixing projects.
Student final mix projects will then be mastered and converted into a number of possible final output formats.

MUSM 366 Pro Tools 201, Advanced Pro Tools

Units: 1.5
Hours: 18 hours LEC; 27 hours LAB
Prerequisite: MUSM 357 with a grade of "C" or better
Corequisite: MUSM 350
Transferable: CSU

This is the advanced course offering in the SCC Avid Certified Training Location alliance. Pro Tools 201 focuses on a foundation of skills needed to competently operate a Pro Tools HDX system in a professional environment. This advanced-level course in Avid’s Pro Tools digital audio workstation hardware and software application. Topics include the core concepts and skills needed to operate a Pro Tools HD system in a professional studio environment.

MUSM 367 Audio for Video Post Production

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: MUSM 344, 356, and 357 with grades of "C" or better
Transferable: CSU

In this course students learn post production, the art and science of adding sound to picture for television, feature films, and commercials. Students work in the Pro Tools digital audio workstation environment. Sound Design, Foley, and mixing skills will be demonstrated.

MUSM 368 Advanced Audio Lab - Independent Project

Units: 1
Hours: 54 hours LAB
Prerequisite: MUSM 366 with a grade of "C" or better
Transferable: CSU

This is a lab course for students who have completed MUSM 366 - Pro Tools 201, Advanced Pro Tools, and who want to work on a creative project independently. A typical project could include completing a demo recording utilizing the audio resources at the college. Students would work independently but confer with faculty during the course of the project and present their final work at the end of the semester for critique and evaluation.

MUSM 494 Topics in Music Specializations

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Transferable: CSU

This course provides the ability to take a course in music that covers topics that are not part of the regular curriculum. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

MUSM 495 Independent Studies in Music Specializations

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Music Specializations offers students a chance to do research that is more typical of students in advanced audio production, song-writing, arranging, or music business courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

MUSM 498 Work Experience in Music Specializations

Units: 1 - 4
Hours: 60 - 300 hours LAB
Prerequisite: None.
Transferable: CSU

This course provides a supervised work experience in a professional music industry job setting. Students may be assigned work such as the following:
recording studio session assistant, post production assistant, assistant sound designer, studio front office worker, business agent/manager assistant in training, arranger/songwriter/ performer, assistantships and in other areas such as live sound production, music therapy, music retail, instrument repair, studio equipment repair, music education, etc. In addition, the student is required to fulfill 18 hours lecture and 75 hours of related, paid work experience or 60 hours of volunteer work experience for one unit; 75 or 60 hours of related work experience for each additional unit. The program allows the student to combine practical, paid or non-paid work experience with college training. The course may be taken up to four times when there is new or expanded learning on the job for up to 16 units.

MUSM 499 Experimental Offering in Music Specializations in Music

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Nursing

The Associate in Science Degree Registered Nursing Program at Sacramento City College is approved by the California Board of Registered Nursing. Students enrolled in this program are required to complete general education, science, and nursing courses with related clinical experiences in local hospitals.

Degrees and Certificates Offered

A.S. in LVN-RN Transition to Registered Nursing

A.S. in Nursing, Registered

A.S. in Nursing, Vocational

LVN-RN 30-Unit Option Certificate

Nursing, Vocational Certificate

Dean

Department Chair Glennda Wagner

Phone (916) 558-2271

Email sccn@losrios.edu

Associate Degrees

A.S. in LVN-RN Transition to Registered Nursing

The Associate in Science LVN-RN Transition Registered Nursing Program at Sacramento City College is approved by the California Board of Registered Nursing. Students enrolled in this program are required to complete general education, science, and nursing courses with related clinical experiences in local hospitals. The nursing courses are three semesters in length.

In addition to regular expenses such as enrollment fees, living costs, activity fees, and books, nursing students have the expense of uniforms, equipment, malpractice insurance, graduation, and licensing costs. They also are responsible for their physical examination, immunizations, background check, and drug screen, as well as transportation to and from clinical agencies for day and evening learning experiences. All enrolled students must have a current American Heart Association Health Provider CPR with Automated External Defibrillator (AED) card. The nursing program is a rigorous course of study. In order to ensure academic success and to protect students' health, full time employment is not advisable. It is recommended that students who must continue outside employment reduce their hours to improve their success in the program.

Nursing courses must be taken in sequence. Informational meetings are held several times each semester to provide prospective students with information about program prerequisites, enrollment process, and other requirements in the program.

A 75% passing grade is mandatory in theory and clinical practicum of each nursing course for progression in the program. In order to obtain a Registered Nursing license as a graduate, a student must have an Associate in Science Degree in Nursing an pass the National Council Licensure Examination (NCLEX).

Enrollment options for Licensed Vocational Nurses: LVNs seeking entry are subject to space availability. These applicants have several options for becoming Registered Nurses. In the "30 Unit Option" the LVN must complete physiology and microbiology prior to entering the second year nursing courses. This option does not lead to an Associate in Science Degree. The LVN to RN Transition option does lead to an Associate in Science Degree in Nursing. This LVN must meet all the program requirements of the generic program. After successfully completing NURSE 307, they transition into the second year of the Registered Nursing Program. A third option is completion of the entire generic associate degree nursing program and all enrollment requirements.

A Diploma RN graduate of a hospital school of nursing who is currently licensed in California may earn an Associate in Science Degree. This Registered Nurse will need to complete requirements for an Associate in Science Degree and fulfill a residency requirement by completing at least 12 units at Sacramento City College.

Transfer students must present evidence of comparable theory and clinical practice courses. Transfer students are admitted on a space available basis.

Degree Requirements

Course Code	Course Title	Units
ANTH 310	Cultural Anthropology (3)	3
or ANTH 481	Honors Cultural Anthropology (3)	
or SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
BIOL 430	Anatomy and Physiology	5
BIOL 431	Anatomy and Physiology	5
BIOL 440	General Microbiology	4
COMM 301	Introduction to Public Speaking (3)	3
or COMM 331	Group Discussion (3)	
or COMM 481	Introduction to Public Speaking - Honors (3)	
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
or ESLW 340	Advanced Composition (4)	
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
NURSE 307	LVN-RN (Associate Degree Nursing) Transition	5
NURSE 427	Nursing Complex Health Problems Through the Life Cycle	12
NURSE 437	Nursing in Complex and Multiple Patient Care	12
Total Units:		**55 - 56**

The LVN-RN Transition to Registered Nursing Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus

sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Licensure as an Licensed Vocational Nurse in the state of California.
- Application and acceptance into the LVN-RN Registered Nursing Associate in Science Degree Program at Sacramento City College.
- BIOL 430, BIOL 431, and BIOL 440 with grades of "C" or better and a cumulative GPA of 3.0 or better.
- PSYC 300 or PSYC 480; ENGWR 300 or ESLW 340 or ENGWR 488; COMM 301 or COMM 331or COMM 481; SOC 321 or SOC 482 or ANTH 310 or ANTH 481 with grades of "C" or better and a cumulative GPA of 2.5 or better. In-progress grades will not be accepted for prerequisite courses.
- A SCORE of 70 or higher on the Registered Nursing Multi Criteria Enrollment Form.
- It is strongly recommended that students complete all general education requirements (Area I-VI) and competency requirements (reading, writing, and mathematics) prior to application to the program.
- Completion of the latest edition of the Test of Essential Academic Skills (TEAS), developed by the Assessment Technologies Institute, LLC (ATI). A minimum composite score is necessary to be eligible for application to the program. Additional information is available from the SCC Nursing website at https://scc.losrios.edu/academics/programs-and-majors/nursing.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- The Associate in Science Degree Registered Nursing Program at Sacramento City College uses a multicriteria enrollment process. The latest edition of the ATI Test of Essential Academic Skills (TEAS) must be taken before applying, and a minimum composite score must be achieved in order to apply to the program. A Los Rios Community College District student identification number is required to access the online application. Points earned from the multicriteria enrollment form determine eligibility for the random selection pool from which a class is selected. Students must apply online and reapply each year. There is no waiting list.
- Licensed Vocational Nurses (LVNs) who desire to complete the minimum number of units required to take the licensure examination may apply for this LVN to RN option. LVNs who select the “30 Unit” option method to satisfy the requirements for licensure as a registered nurse should consult with Student Personal Assistant or Program Director for an individual program consultation to discuss the advantages and disadvantages of this option. Students who obtain licensure through this option may not be allowed to practice as an RN in any state but California. Admission to the program is by special application. Please refer to LVN to RN mobility program.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- integrate the nursing process with critical reasoning skills, in direct and indirect nursing care to meet the patient’s developmental and basic human needs.
- revise individualized nursing interventions to safely provide care to assist adult and older adult patients in need of preventative, restorative, or rehabilitative patient centered care.
- incorporate evidence-based practice, patient care standards, informatics, and critical thinking skills to enhance safety, quality improvement, and effectiveness of nursing care.
- generate therapeutic, respectful, and caring communication with patients and families, while promoting collegiality with peers and colleagues.
- formulate accurate and timely documentation and reporting of patient assessments, interventions, progress, and outcomes of care in the written and electronic medical record.
- design patient-centered teaching plans and assist patients and their families in developing self-advocacy skills necessary to maintain optimum levels of functioning and health.
- manage the nursing care for a group of patients, utilizing leadership skills, collaboration, teamwork, resource utilization, and supervision of team members consistent with their scope of practice.
- prioritize patient care needs, using critical thinking and time management skills, to organize and provide safe nursing care in a responsible and accountable manner.
- integrate ethical principles, legal boundaries, and cultural competency in all areas of nursing practice.
- assess learning needs through reflective thinking and use resources to engage in continuous improvement in skills and knowledge.

Career Information

This program prepares the student for employment as an entry-level staff nurse in hospitals, physician’s offices, skilled nursing or long term care facilities, surgery centers, ambulatory care settings, occupational health, and other related agencies. Registered Nurses provide nursing care to clients and groups of clients throughout the lifespan. They have many responsibilities from direct patient care to leadership roles, depending on the specific setting in which they are working.

A.S. in Nursing, Registered

The Associate in Science Degree Registered Nursing Program at Sacramento City College is approved by the California Board of Registered Nursing. Students enrolled in this program are required to complete general education, science, and nursing courses with related clinical experiences in local hospitals. The nursing courses are four semesters in length.

In addition to regular expenses such as enrollment fees, living costs, activity fees, and books, nursing students have the expense of uniforms, equipment, malpractice insurance, graduation, and licensing costs. They also are responsible for

their physical examination, immunizations, background check, and drug screen, as well as transportation to and from clinical agencies for day and evening learning experiences. All enrolled students must have a current American Heart Association Health Provider CPR with Automated External Defibrillator (AED) card. The nursing program is a full-time rigorous course of study. In order to ensure academic success and to protect students' health, full time employment is not advisable. It is recommended that students who must continue outside employment reduce their hours to 8-12 hours or less per week.

Nursing courses must be taken in sequence. Informational meetings are held several times each semester to provide prospective students with information about program prerequisites, enrollment process, and other requirements in the program.

A 75% passing grade is mandatory in theory and clinical practicum of each nursing course for progression in the program. In order to obtain a Registered Nursing license as a graduate, a student must have an Associate in Science Degree in Nursing by the end of the fourth semester.

Enrollment options for Licensed Vocational Nurses: LVNs seeking entry are subject to space availability. These applicants have several options for becoming Registered Nurses. In the "30 Unit Option" the LVN must complete physiology and microbiology prior to entering the second year nursing courses. This option does not lead to an Associate in Science Degree. The LVN to RN Transition option does lead to an Associate in Science Degree in Nursing. This LVN must meet all the program requirements of the generic program. After successfully completing NURSE 307, they transition into the second year of the Registered Nursing Program. A third option is completion of the entire generic associate degree nursing program and all enrollment requirements.

A Diploma RN graduate of a hospital school of nursing who is currently licensed in California may earn an Associate in Science Degree. This Registered Nurse will need to complete requirements for an Associate in Science Degree and fulfill a residency requirement by completing at least 12 units at Sacramento City College.

Transfer students must present evidence of comparable theory and clinical practice courses. Transfer students are admitted on a space available basis.

Degree Requirements

Course Code	Course Title	Units
ANTH 310	Cultural Anthropology (3)	3
or ANTH 481	Honors Cultural Anthropology (3)	
or SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
BIOL 430	Anatomy and Physiology	5
BIOL 431	Anatomy and Physiology	5
BIOL 440	General Microbiology	4
COMM 301	Introduction to Public Speaking (3)	3
or COMM 331	Group Discussion (3)	
ENGWR 300	College Composition (3)	3 - 4
or ENGWR 488	Honors College Composition and Research (4)	
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
NURSE 407	Fundamentals of Health and Nursing Care	12
NURSE 417	Nursing and Health Maintenance Through the Lifecycle	12
NURSE 427	Nursing Complex Health Problems Through the Life Cycle	12
NURSE 437	Nursing in Complex and Multiple Patient Care	12
Total Units:		**74 - 75**

The Nursing, Registered Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Application and acceptance into the Associate in Science Degree Registered Nursing Program at Sacramento City College.
- BIOL 430, BIOL 431, and BIOL 440 with grades of "C" or better and a cumulative GPA of 3.0 or better.
- PSYC 300 or PSYC 480; ENGWR 300 or ENGWR 488; COMM 301 or COMM 331; SOC 321 or SOC 482 or ANTH 310 or ANTH 481 with grades of "C" or better and a cumulative GPA of 2.5 or better. In-progress grades will not be accepted for prerequisite courses.
- A SCORE of 70 or higher on the Registered Nursing Multi Criteria Enrollment Form.
- It is strongly recommended that students complete all general education requirements (Area I-VI) and competency requirements (reading, writing, and mathematics) prior to application to the program.
- Completion of the latest edition of the Test of Essential Academic Skills (TEAS), developed by the Assessment Technologies Institute, LLC (ATI). A minimum composite score is necessary to be eligible for application to the program. Additional information is available from the SCC Nursing website at http://www.scc.losrios.edu/~nursing/.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- The Associate in Science Degree Registered Nursing Program at Sacramento City College uses a multicriteria enrollment process. The latest edition of the ATI Test of Essential Academic Skills (TEAS) must be taken before applying, and a minimum composite score must be achieved in order to apply to the program. A Los Rios Community College District student identification number is required to access the online application. Points earned from the multicriteria enrollment form

determine eligibility for the random selection pool from which a class is selected. Students must reapply each year. There is no waiting list.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- integrate the nursing process with critical reasoning skills, in direct and indirect nursing care to meet the patient's developmental and basic human needs.
- revise individualized nursing interventions to safely provide care to assist adult and older adult patients in need of preventative, restorative, or rehabilitative patient centered care.
- incorporate evidence-based practice, patient care standards, informatics, and critical thinking skills to enhance safety, quality improvement, and effectiveness of nursing care.
- generate therapeutic, respectful, and caring communication with patients and families, while promoting collegiality with peers and colleagues.
- formulate accurate and timely documentation and reporting of patient assessments, interventions, progress, and outcomes of care in the written and electronic medical record.
- design patient-centered teaching plans and assist patients and their families in developing self-advocacy skills necessary to maintain optimum levels of functioning and health.
- manage the nursing care for a group of patients, utilizing leadership skills, collaboration, teamwork, resource utilization, and supervision of team members consistent with their scope of practice.
- prioritize patient care needs, using critical thinking and time management skills, to organize and provide safe nursing care in a responsible and accountable manner.
- integrate ethical principles, legal boundaries, and cultural competency in all areas of nursing practice.
- assess learning needs through reflective thinking and use resources to engage in continuous improvement in skills and knowledge.

Career Information

This program prepares the student for employment as an entry-level staff nurse in hospitals, physician's offices, skilled nursing or long term care facilities, surgery centers, ambulatory care settings, occupational health, and other related agencies. Registered Nurses provide nursing care to clients and groups of clients throughout the lifespan. They have many responsibilities from direct patient care to leadership roles, depending on the specific setting in which they are working. Program graduates are eligible to apply for the examination given by the National Council Licensure Examination for Registered Nurses.

A.S. in Nursing, Vocational

The Vocational Nursing Program at Sacramento City College is approved by the California Board of Vocational Nursing and Psychiatric Technicians. Upon successful completion of the three-semester, 51-unit program, the student is eligible to apply for the National Licensing Examination to qualify as a Licensed Vocational Nurse. Students enrolled in this program are required to complete nursing courses with related clinical experiences. The program issues a certificate upon completion and prepares the graduate for employment. With completion of additional requirements, an Associate in Science Degree may be achieved. In addition to regular expenses such as enrollment fees, living costs, activity fees, and books, nursing students have the expense of uniforms, equipment, malpractice insurance, graduation, and licensing costs. Students are also responsible for their physical examination, immunizations, background check, and drug screen, as well as transportation to and from clinical agencies for day and evening learning experiences. All students must have a current CPR with Automated External Defibrillator (AED) from the American Heart Association or Professional Rescuer American Red Cross.

The nursing program is a full-time rigorous course of study. In order to ensure academic success and to protect students' health, full time employment is not advisable. It is recommended that students who must continue outside employment reduce their hours to 8-12 hours or less per week.

Informational meetings are held several times each semester and provide prospective students with information on program prerequisites, enrollment process, and other facts about the program.

Recommended high school preparation: classes in biology, mathematics, and English.

Degree Requirements

Course Code	Course Title	Units
VN 120	Meeting Adult Basic Health Needs	12
VN 130	Meeting Health Needs of All Age Groups	12
VN 140	Meeting Complex Adult Health Needs	12
Subtotal Units:		**36**

Prerequisite Courses

Course Code	Course Title	Units
AH 311	Medical Language for Health-Care Providers	3
BIOL 100	Introduction to Concepts of Human Anatomy and Physiology (3)	3 - 10
or [BIOL 430	Anatomy and Physiology (5)	
and BIOL 431]	Anatomy and Physiology (5)	
FCS 324	Human Development: A Life Span (3)	3
or PSYC 370	Human Development: A Life Span (3)	
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
Prerequisite Courses Units:		15 - 22
Total Units:		**51 - 58**

The Nursing, Vocational Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Complete program application and submit by due date to be considered for acceptance into the program.
- 12th grade or equivalent as granted by the California State Department of Education
- BIOL 100 with a grade of B or better; or BIOL 430 and BIOL 431 with grades of “B” or better.
- AH 311, FCS 324, NUTRI 300 or NUTRI 480, and PSYC 300 or PSYC 480 with a grade of "C" or better and a cumulative GPA of 2.5 in these four (4) courses.
- ENGRD 11 for applicants who do not have an Associate Degree or higher.
- In-progress grades will not be accepted for prerequisite courses. Courses taken for Pass/No Pass (P/NP) will be calculated into the GPA as a "C" grade.
- It is highly recommended that the student take a medical dosage calculation class prior to beginning the program.
- A grade of 75% or better is mandatory in each required course for progression in the vocational nursing program. If the clinical performance is “unsatisfactory,” the semester grade will be “F” regardless of achievement in theory.
- Completion of the Test of Essential Academic Skills (TEAS), latest version, developed by the Assessment Technologies Institute, LLC (ATI).

Enrollment Process

Eligible students are selected for the program according to the following steps:

- A Los Rios Community College District student identification number is required to access the online application. Enrollment eligibility consists of successful completion of prerequisite courses in order to qualify for the random selection pool from which a class is selected. Students must reapply each semester. There is no waiting list.
- Successful completion of the online application, along with all supporting documents as stipulated on the online page, must be submitted to the Science and Allied Health Division by the posted due date.
- Students accepted into the program will be required to undergo a criminal background check and a 10-panel urine drug screen prior to their clinical laboratory experience.
- NOTE: Vocational Nursing courses must be taken in sequence.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- utilize the nursing process within organized health care systems to help patients with common illnesses meet their basic human needs through direct patient care services.
- provide individualized nursing measures to assist patients in need of rehabilitation, including lifestyle changes in the hospital, home, or in the community.
- apply established standards of care, critical thinking skills, and scientific knowledge when performing nursing functions or procedures.
- maintain therapeutic communication essential to the achievement of health related patient and/or organizational goals.
- demonstrate the ability to accurately report and document patient assessments, interventions, changes in patient status, and outcomes of care in the written and electronic medical record (EMR).
- act as a patient advocate and teacher in assisting patients and families to prevent illness and maintain their optimum level of functioning and health.
- organize care for a group of patients and participate in providing direction for personnel with less preparation or experiences in other than acute care settings.
- apply knowledge of cultural patterns, beliefs, and practices in providing culturally sensitive competent care.
- assume responsibility for his/her own professional development and function with accountability within the legal boundaries of LVN practice.

Career Information

This program prepares the student for employment as a licensed vocational nurse. The LVN may work in hospitals, doctors’ offices, ambulatory care settings, skilled nursing facilities, correctional facilities, home health, and extended care facilities to provide basic patient care to clients of all ages under the supervision and direction of physicians or registered nurses. The specific procedures performed vary greatly depending on the work setting.

Certificates of Achievement

LVN-RN 30-Unit Option Certificate

The 30-unit option provides the Licensed Vocational Nurse (LVN) the opportunity to qualify for the National Council Licensure Examination (NCLEX-RN). This option is available to LVNs entering the SCC Registered Nursing Program but does not meet the requirements for an associate degree in nursing.

Licensed Vocational Nurses (LVNs) who desire to complete the minimum number of units required to take the licensure examination may apply for this LVN to RN option. LVNs who select the “30 Unit” option method to satisfy the requirements for licensure as a registered nurse should consult with Student Personal Assistant or Program Director for an individual program consultation to discuss the advantages and disadvantages of this option. Students who obtain licensure through this option may not be allowed to practice as an RN in any state but California. Admission to the program is by special application. Please refer to LVN to RN mobility program.

In addition to regular expenses such as enrollment fees, living costs, activity fees, and books, nursing students have the expense of uniforms, equipment, malpractice insurance, graduation, and licensing costs. They also are responsible for

their physical examination, immunizations, background check, and drug screen, as well as transportation to and from clinical agencies for day and evening learning experiences. All enrolled students must have a current health provider America Heart Association CPR with Automated External Defibrillator (AED) card. The nursing program is a full-time rigorous course of study. In order to ensure academic success and to protect students' health, full time employment is not advisable. It is recommended that students who must continue outside employment reduce their hours to 8-12 hours or less per week.

A 75% passing grade is mandatory in theory and clinical of each nursing course for progression in the program.

Certificate Requirements

Course Code	Course Title	Units
BIOL 431	Anatomy and Physiology	5
BIOL 440	General Microbiology	4
NURSE 308	LVN-RN 30-Unit Option	8
NURSE 437	Nursing in Complex and Multiple Patient Care	12
Total Units:		**29**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Possession of a current clear and active California Licensed Vocational Nurse (LVN) license at the time of application and throughout program completion.
- Completion of a minimum of six months recent LVN work experience, preferably in the medical-surgical area.
- Completion of BIOL 431 or equivalent 4-5 semester-unit physiology course and BIOL 440 or equivalent 4 semester-unit microbiology course with a grade of "B" or better prior to enrollment in the nursing courses.
- Completion of the current curriculum planning summary sheet including the semester in which the pre-enrollment packet is being submitted.
- LIBR 307 is recommended.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- integrate the nursing process with critical reasoning skills, in direct and indirect nursing care to meet the patient's developmental and basic human needs.
- revise individualized nursing interventions to safely provide care to assist patients of all ages in need of preventative, restorative, or rehabilitative patient centered care.
- incorporate evidence-based practice, patient care standards, informatics, and critical thinking skills to enhance safety, quality improvement, and effectiveness in nursing care.
- generate therapeutic, respectful, and caring communication with patients and families, while promoting collegiality with peers and colleagues.
- formulate accurate and timely documentation and reporting of patient assessments, interventions, progress, and outcomes of care in the written and electronic medical record.
- design patient-centered teaching plans and assist patients and their families in developing self-advocacy skills necessary to maintain optimum levels of functioning and health.
- manage the nursing care for a group of patients, utilizing leadership skills, collaboration, teamwork, resource utilization, and supervision of team members consistent with their scope of practice.
- prioritize patient care needs, using critical thinking and time management skills, to organize and provide safe nursing care in a responsible and accountable manner.
- integrate ethical provisions, legal boundaries, and cultural competency in all areas of nursing practice.
- assess their own learning needs through reflective thinking and use resources to engage in continuous improvement in skills and knowledge.

Career Information

This program prepares the student for employment as an entry-level staff nurse in hospitals, physician's offices, skilled nursing or long-term care facilities, surgery centers, ambulatory care settings, occupational health, and other related agencies. Registered nurses provide nursing care to clients and groups of clients throughout the lifespan. The State of California allows the LVN-RN 30-unit option student to be eligible for the National Council Licensure Examination (NCLEX-RN). The LVN seeking this path to RN licensure may not receive reciprocal RN licensure in other states. LVNs considering moving out-of-state are encouraged to consult with that state's board of nursing for RN licensure requirements before committing to the 30-unit option.

Nursing, Vocational Certificate

The Vocational Nursing Program at Sacramento City College is approved by the California Board of Vocational Nursing and Psychiatric Technicians. Upon successful completion of the three-semester, 51-unit program, the student is eligible to apply for the National Licensing Examination to qualify as a Licensed Vocational Nurse. Students enrolled in this program are required to complete nursing courses with related clinical experiences. The program issues a certificate upon completion and prepares the graduate for employment. With completion of additional requirements, an Associate in Science Degree may be achieved. In addition to regular expenses such as enrollment fees, living costs, activity fees, and books, nursing students have the expense of uniforms, equipment, malpractice insurance, graduation, and licensing costs. They are also responsible for their physical examination, immunizations, background check, and drug screen, as well as transportation to and from clinical agencies for day and evening learning experiences. All students must have a current American Heart Association Health Care Provider CPR with Automated External Defibrillator (AED).

The nursing program is a full-time rigorous course of study. In order to ensure academic success and to protect students' health, full time employment is not advisable. It is recommended that students who must continue outside employment reduce their hours to 8-12 hours or less per week. Informational meetings are held several times each semester

and provide prospective students with information on program prerequisites, enrollment process, and other facts about the program.

Recommended high school preparation: classes in biology, mathematics, and English.

Certificate Requirements

Course Code	Course Title	Units
VN 120	Meeting Adult Basic Health Needs	12
VN 130	Meeting Health Needs of All Age Groups	12
VN 140	Meeting Complex Adult Health Needs	12
Subtotal Units:		**36**

Prerequisite Courses

Course Code	Course Title	Units
AH 311	Medical Language for Health-Care Providers	3
BIOL 100	Introduction to Concepts of Human Anatomy and Physiology (3)	3 - 10
or [BIOL 430	Anatomy and Physiology (5)	
and BIOL 431]	Anatomy and Physiology (5)	
FCS 324	Human Development: A Life Span (3)	3
or PSYC 370	Human Development: A Life Span (3)	
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
Prerequisite Courses Units:		15 - 22
Total Units:		**51 - 58**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Complete program application and submit by due date to be considered for acceptance into the program
- 12th grade or equivalent as granted by the California State Department of Education
- BIOL 100 with a grade of "B" or better; or BIOL 430 and BIOL 431 with grades of “B” or better
- AH 311, FCS 324, NUTRI 300 or NUTRI 480, and PSYC 300 or PSYC 480 with a grade of "C" or better and a cumulative GPA of 2.5 in these four (4) courses
- ENGRD 11 for applicants who do not have an Associate Degree or higher
- In-progress grades will not be accepted for prerequisite courses. Courses taken for credit/no credit (C/NC) will be calculated into GPA's as a "C" grade.
- It is highly recommended that the student take a medical dosage calculation class prior to beginning the program.
- A grade of 75% or better is mandatory in each required course for progression in the vocational nursing program. If the clinical performance is “unsatisfactory,” the semester grade will be “F” regardless of achievement in theory.
- Completion of the Test of Essential Academic Skills (TEAS), latest version, developed by the Assessment Technologies Institute, LLC (ATI). A minimum composite score is necessary to be eligible for application to the program. Additional information is available from the SCC Nursing website at http://www.scc.losrios.edu/~nursing/
- Admission, Reentry or Transfer: please see SCC Vocational Nursing website at https://www.scc.losrios.edu/nursing/nursing-vocational/

Enrollment Process

Eligible students are selected for the program according to the following steps:

- A Los Rios Community College District student identification number is required to access the online application. Enrollment eligibility consists of successful completion of prerequisite courses in order to qualify for the random selection pool from which a class is selected. Students must reapply each semester. There is no waiting list.
- Successful completion of the online application, along with all supporting documents as stipulated on the online page, must be submitted to the Science and Allied Health Division by the posted due date.
- Students accepted into the program will be required to undergo a criminal background check and a drug screen prior to their clinical laboratory experience.
- NOTE: Vocational Nursing courses must be taken in sequence.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- utilize the nursing process within organized health care systems to help patients with common illnesses meet their basic human needs through direct patient care services.
- provide individualized nursing measures to assist patients in need of rehabilitation, including lifestyle changes in the hospital, home, or in the community.
- apply established standards of care, critical thinking skills, and scientific knowledge when performing nursing functions or procedures.
- maintain therapeutic communication essential to the achievement of health related patient and/or organizational goals.
- demonstrate the ability to accurately report and document patient assessments, interventions, changes in patient status, and outcomes of care in the written and electronic medical record (EMR)
- act as a patient advocate and teacher in assisting patients and families to prevent illness and maintain their optimum level of functioning and health.
- organize care for a group of patients and participate in providing direction for personnel with less preparation or experiences in other than acute care settings.

- apply knowledge of cultural patterns, beliefs, and practices in providing culturally sensitive competent care.
- assume responsibility for his/her own professional development and function with accountability within the legal boundaries of LVN practice.

Career Information

This program prepares the student for employment as a licensed vocational nurse. The LVN may work in hospitals, doctors' offices, ambulatory care settings, skilled nursing facilities, correctional facilities, home health, and extended care facilities to provide basic patient care to clients of all ages under the supervision and direction of physicians or registered nurses. The specific procedures performed vary greatly depending on the work setting.

Nursing (NURSE) Courses

NURSE 299 Experimental Offering in Nursing

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

NURSE 307 LVN-RN (Associate Degree Nursing) Transition

Units: 5
Hours: 54 hours LEC; 108 hours LAB
Prerequisite: See Enrollment Limitation
Enrollment Limitation: Enrollment in the Associate Degree Nursing (Registered Nursing) program and a licensed vocational nurse (LVN)
Transferable: CSU

This course is designed for the California Licensed Vocational Nurse (LVN) who is admitted for advanced placement into the second year of the Registered (Associate Degree) Nursing Program. Theory and clinical experiences are related to helping medical surgical adult and older adult patients adapt to acute and chronic pathophysiological stressors in preventative, restorative, or rehabilitative settings. Content focuses on the LVN (Licensed Vocational Nurse) transitioning into the role of the associate degree RN (Registered Nurse). The concepts of basic human needs, safety, human development, nutrition, communication, sexuality, cultural and spiritual diversity, legal and ethical aspects of nursing, pharmacology and pathophysiology, are integrated in the course. Emphasis is given to clinical decision making, critical thinking, safety, teamwork, and collaboration.

NURSE 308 LVN-RN 30-Unit Option

Units: 8
Hours: 72 hours LEC; 216 hours LAB
Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the LVN-RN 30 unit option track and completion of BIOL 431 and BIOL 440 with grades of "B" or better.

This course, designed for the LVN-RN 30 unit option student, emphasizes theory and clinical experiences related to helping patients and families adapt to complex pathophysiological and pathopsychological stressors. This course focuses on the care of the medical, surgical, and psychiatric nursing patient to meet his/her needs for risk reduction and optimal wellness in preventative, restorative, or rehabilitative settings. The sub-concepts integrated throughout the course include safety, human development, nutrition, sexuality, cultural and spiritual diversity, pathophysiology, pharmacology, legal and ethical principles. Course emphasis is on mental health and psychopathology, acute advanced medical and surgical content, end-of-life care, and evaluation of patient-centered outcomes. Learning experiences in the classroom, simulation lab, and clinical setting provide students the opportunity to utilize critical thinking, evidence-based practice, technology, teamwork, collaboration, clinical decision-making, and interdisciplinary communication principles in the delivery of quality nursing care.

NURSE 315 Pharmacology and Implications for Nursing

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: BIOL 100 (Introduction to Concepts of Human Anatomy and Physiology) with a "C" or better
Transferable: CSU

This course is an introduction to the science of pharmacology and nursing. The role of the nurse in safely administering medications and evaluating the therapeutic response is emphasized. Drug classifications and their actions, interactions, and adverse effects, are specifically related to patient developmental stages and nursing professional standards.

NURSE 325 Medical Dosage Calculations

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Transferable: CSU

This course prepares students to accurately calculate oral and parenteral drug dosages for medication administration. Students will learn three systems of measurement and conversion from one system to another. Basic flow rates of IV fluids will be covered. Course content will also include: 1) review of basic arithmetic operations used in dosage calculations; 2) interpretation of drug labels; 3) common medical abbreviations used in dosage calculations; 4) use of the following methods: basic formulas, ratio and proportion, fractional equation, and dimensional analysis in dosage calculations.

NURSE 388 Labor and Delivery Nursing Care - Transition into Practice

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Active California Registered Nurse License and current employment as a Registered Nurse.
Transferable: CSU

This course provides a review of labor and delivery nursing care principles to those nurses who wish to cross train or orient into labor and delivery and receive a refresher course. Coursework includes overview of labor and delivery nursing content, such as reproductive health, preconception and inter-conception health; physiologic and psychosocial adaptation to pregnancy, process of labor and delivery (normal and complications), Cesarean birth and post anesthesia care unit, complications of pregnancy and delivery, perinatal infections, postpartum and newborn assessment and care, neonatal complications, perinatal loss and perinatal safety and risk management. The didactic portion (36 lecture hours) is designed to be taken concurrently with the hospital training (54 lab hours) in the labor and delivery unit. This course is graded as Pass / No Pass.

NURSE 407 Fundamentals of Health and Nursing Care

Units: 12
Hours: 108 hours LEC; 324 hours LAB
Prerequisite: See Enrollment limitations
Enrollment Limitation: Acceptance into the Registered (Associate Degree) Nursing Program and completion of BIOL 430, BIOL 431, and BIOL 440 with grades of "C" or better and a cumulative GPA of 3.0 or better. PSYC 300 or PSYC 480; ENGWR 300 or ENGWR 480 or, COMM 301 or COMM 331; SOC 321 or ANTH 310 or ANTH 481 with grades of "C" or better and a cumulative GPA of 2.5 or better. It is strongly recommended that students complete all general education requirements (Area I-VI) and competency requirements (reading, writing, and mathematics) prior to application to the program.
Advisory: FCS 324, NUTRI 300, or PSYC 370; with grades of "C" or better.
Transferable: CSU

This course utilizes the conceptual framework of the curriculum (Basic Human Needs, Life Cycle Development, Health Illness Continuum, Significant Health Problems, and Stress Adaptation) to provide the foundation for the following three semesters of the program. It includes an introduction to professional nursing, its evolution, present trends and issues, legal aspects, and concepts underlying current practice. Basic principles of delegation, management, teamwork, and collaboration are introduced and integrated into appropriate content. The theory and related clinical experiences prepare the student to apply the nursing process when providing direct patient care to patients with common medical surgical problems, with a focus on basic human needs. The student is introduced to critical thinking and clinical decision-making, while using evidence-based practice to support patients' adaptive mechanisms for attaining and maintaining wellness during early, middle, and late adulthood. The sub concepts integrated throughout the course are personal hygiene, safety, nutrition, communication, human sexuality, cultural/spiritual diversity, legal/ethical aspects, pharmacology, and pathophysiology. Emphasis is given to the promotion of health and risk reduction in adults and elders in theory, clinical, and the simulation lab.

NURSE 417 Nursing and Health Maintenance Through the Lifecycle

Units: 12
Hours: 108 hours LEC; 324 hours LAB
Prerequisite: NURSE 407 with a grade of "C" or better
Enrollment Limitation: Enrollment in Associate Degree Nursing (Registered Nursing) program
Transferable: CSU

This course continues integration of the conceptual framework of the curriculum (Basic Human Needs, Life Cycle Development, Health Illness Continuum, Significant Health Problems, and Stress Adaptation). The second semester provides theory and clinical experiences for medical surgical, pediatric, and maternal-child patients in need of preventative, restorative, or rehabilitative nursing care, in acute, home, or community settings. Content focuses on application of patient-centered care and health promotion principles to prevent illness and achieve optimum wellness. There is emphasis on the utilization of the nursing process, critical thinking, evidence-based practice, safety, life cycle development, nutrition, communication, human sexuality, cultural/spiritual diversity, self-advocacy, legal/ethical aspects, quality improvement, teamwork and collaboration, pharmacology, and pathophysiology. Learning experiences provide students with opportunities to acquire new clinical skills, develop clinical judgment, use reflective practice, and apply previously learned concepts and principles in a variety of settings including the classroom, clinical, and simulation lab.

NURSE 427 Nursing Complex Health Problems Through the Life Cycle

Units: 12
Hours: 108 hours LEC; 324 hours LAB
Prerequisite: NURSE 417 with a grade of "C" or better
Enrollment Limitation: Enrollment in Associate Degree Nursing (Registered Nursing) program
Transferable: CSU

This course emphasizes theory and clinical experiences related to helping patients and families adapt to complex pathophysiological and pathopsychological stressors. This course focuses on the care of the medical, surgical, and psychiatric nursing patients to meet their needs for risk reduction and optimal wellness in preventative, restorative, or rehabilitative settings. The sub-concepts integrated throughout the course include safety, human development, nutrition, sexuality, cultural and spiritual diversity, pathophysiology, pharmacology, and legal/ethical principles. Course emphasis is on mental health and psychopathology, medical surgical content, end-of-life care, and evaluation of patient-centered outcomes. Learning experiences in the classroom, simulation lab, and clinical setting provide students the opportunity to utilize critical thinking, evidence-based practice, technology, teamwork, collaboration, clinical decision-making, and interdisciplinary communication principles in the delivery of quality nursing care.

NURSE 437 Nursing in Complex and Multiple Patient Care

Units: 12
Hours: 108 hours LEC; 324 hours LAB
Prerequisite: NURSE 427 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Associate Degree Nursing (Registered Nursing) program
Transferable: CSU

This final semester course presents theory and evidence-based practice related to multiple patient assignments for patients with complex, critical health problems in the acute medical surgical setting. The student will use the nursing process to provide for the patient's basic human needs in a safe and

effective care environment. The learning experiences in the classroom, simulation lab,and acute hospital setting, including clinical preceptorships, provide the student with opportunities to continue refining assessment skills, emphasizing priority setting, time management, clinical decision making, critical thinking, leadership, management, ethical/legal concepts, teamwork, and collaboration. There is continued integration of the curriculum framework and sub-concepts throughout the course, including basic human needs, life cycle development, communication, nutrition, pathophysiology, pharmacology, and cultural/spiritual diversity. There is emphasis on entry-level nursing practice, the professional nursing role, use of informatics, quality improvement, and current health care policy and finance.

NURSE 499 Experimental Offering in Nursing

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Vocational Nursing (VN) Courses

VN 120 Meeting Adult Basic Health Needs

Units: 12
Hours: 108 hours LEC; 324 hours LAB
Prerequisite: See Enrollment Limitations
Enrollment Limitation: BIOL 100 with a grade of "B" or better; or BIOL 430 and BIOL 431 with grade of "B" or better; AH 110, FCS 324, NUTRI 300 or NUTRI 480, and PSYC 300 or PSYC 480 with a grade of "C" or better and a cumulative GPA of 2.5 in these four (4) courses. ENGRD 11 with a grade of "C" or better if applicant does not have an AA Degree or higher; and, acceptance into the Vocational Nursing Program.

This course is an orientation to Vocational Nursing and the role of the Vocational Nurse within the health care team, including historical, ethical, and legal aspects. Theory and practice introduce the nursing process and related concepts of basic human needs, life-cycle development, health-illness continuum, and major health problems related to cardiovascular, respiratory, nutrition-elimination, mobility, hormonal disturbances, and surgical interventions. Fundamental skills and responsibilities involved in patient care, including medication administration, principles of communication, health teaching, cultural diversity, and human sexuality are included. Emphasis is on assessment of patient needs and basic nursing interventions for adults of all ages.

VN 130 Meeting Health Needs of All Age Groups

Units: 12
Hours: 108 hours LEC; 324 hours LAB
Prerequisite: VN 120 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Vocational Nursing program

Students apply theory in utilizing the nursing process to meet the needs of: 1) adult patients with major health problems related to more complex regulatory, cardio-vascular/ respiratory, and reproductive disturbances; 2) mothers during the maternity cycle and newborns; 3) hospitalized children of various ages. Emphasis is on increasing independence in the implementation of care of the patient. Focus is also directed at enhancing the contribution of data to the care plans under the supervision of the Registered Nurse. Concepts and principles related to legal and ethical aspects of nursing care, communications, health teaching, cultural diversity, and human sexuality are applied in a variety of clinical settings and with patients of all ages.

VN 140 Meeting Complex Adult Health Needs

Units: 12
Hours: 108 hours LEC; 324 hours LAB
Prerequisite: VN 130 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Vocational Nursing program

Students apply theoretical concepts in utilizing the nursing process to meet the needs of adult patients of all ages with major health problems related to more complex regulatory, elimination, cardiovascular/respiratory, and nutritional disorders. Emphasis is on understanding all steps of the nursing process and identifying the role of the Vocational Nurse as it relates to the nursing process. Principles related to legal and bio-ethical aspects, communication, health teaching, cultural diversity, and human sexuality are included. Management principles, the Vocational Nursing Practice Act, professional organizations, resume writing, and job search are presented.

VN 150 Intravenous Therapy and Blood Withdrawal

Units: 1.5
Hours: 27 hours LEC; 9 hours LAB
Prerequisite: VN 130 with a grade of "C" or better; or current LVN license.

This course will provide the student with the knowledge and skills to start and superimpose intravenous fluids and withdraw blood. The course meets the requirements of the Board of Vocational Nursing and Psychiatric Technicians for Licensed Vocational Nurses to become certified in IV therapy and blood withdrawal.

VN 299 Experimental Offering in Vocational Nursing

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Nutrition and Food Science

Sacramento City College's Family and Consumer Science Department offers a rigorous nutrition degree program that is broad enough to prepare the student for further study in a variety of nutrition areas including: nutrition science research, food science and technology, dietetics, industry and many other exciting nutrition-related fields.

Degrees Offered

A.S.-T. in Nutrition and Dietetics

A.S. in Nutrition

Dean Dennis Lee

Department Chairs Nadine Kirkpatrick

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.S.-T. in Nutrition and Dietetics

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) degree in Nutrition and Dietetics at Sacramento City College allows students interested in pursuing a degree in Nutrition and Dietetics to complete their first two years of requirements at the community college before transferring to a California State University, which offers a Bachelor of Science degree.

Each California State University may have slightly different requirements for transfer so it is critical for students interested in this major to work with their counselor to develop an individual academic plan.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

Degree Requirements

Course Code	Course Title	Units
BIOL 440	General Microbiology	4
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
CHEM 420	Organic Chemistry I	5
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
A minimum of 4 units from the following:		4
BIOL 431	Anatomy and Physiology (5)	
and BIOL 430	Anatomy and Physiology (5)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
A minimum of 3 units from the following:		3
ANTH 310	Cultural Anthropology (3)	
or ANTH 480	Honors Biological Anthropology (3)	
BIOL 350	Environmental Biology (3)	
COMM 301	Introduction to Public Speaking (3)	
KINES 300	Introduction to Kinesiology (3)	
NUTRI 302	Nutrition for Physical Performance (3)	
or KINES 418	Nutrition for Physical Performance (3)	
NUTRI 310	Cultural Foods of the World (3)	
NUTRI 330	Food Theory and Preparation (4)	
SOC 480	Introductory Sociology - Honors (3)	
or SOC 300	Introductory Sociology (3)	
SOC 305	Critical Thinking in the Social Sciences (3)	
Total Units:		**32**

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain the principles of nutrition and their effects on health.
- assess the various sources of nutrition information and demonstrate where to find reliable nutrition information.
- analyze a diet for adequacy, balance, and moderation.
- demonstrate an understanding of the relationships between chemistry, biology, and nutrition.

Associate Degrees

A.S. in Nutrition

Sacramento City College's Family and Consumer Science Department offers a rigorous nutrition degree program that is broad enough to prepare the student for further study in a variety of nutrition areas including: nutrition science research, food science and technology, dietetics, industry, and many other evolving nutrition-related fields.

All students must complete the Required Program plus either the CSU Path or the UC Path.

It is important to note that each four-year college or university has slightly different requirements for transfer so it is critical for students interested in this major to map out their academic plan with a counselor.

Degree Requirements

Course Code	Course Title	Units
CHEM 400	General Chemistry I (5)	5
or CHEM 305	Introduction to Chemistry (5)	
or CHEM 309	Integrated General, Organic, and Biological Chemistry (5)	
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
STAT 300	Introduction to Probability and Statistics (4)	4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
Subtotal Units:		**12**

CSU Path

Course Code	Course Title	Units
BIOL 440	General Microbiology	4
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
CSU Path Units:		7
Total Units:		**19**

UC Path

Course Code	Course Title	Units
BIOL 402	Cell and Molecular Biology	5
CHEM 420	Organic Chemistry I	5
UC Path Units:		10
Total Units:		**22**

The Nutrition Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain the principles of nutrition and their effects on health.
- assess the various sources of nutrition information and demonstrate where to find reliable nutrition information.
- analyze a diet for adequacy, balance, and moderation.
- demonstrate an understanding of the relationships between chemistry, biology, and nutrition.

Nutrition (NUTRI) Courses

NUTRI 300 Nutrition

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 51 and ENGRD 110; or ESL 114; and MATH 34; with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area III(b); AA/AS Area IV; CSU Area E1
C-ID: C-ID NUTR 110

Students will study the basic principles of nutrition, food sources, biologic functions of the nutrients in human physiology and all stages of the life cycle, energy metabolism, nutrition as a world problem, and consumer problems related to food. Course topics such as weight loss, sports nutrition, food safety, the diet-disease relationship, global nutrition, and analysis of special nutritional requirements and needs during the life cycle are emphasized. An evaluation of personal dietary habits using current dietary guidelines and nutritional assessment methods will also be completed to help students assess their own nutritional health. Credit will be awarded for either NUTRI 480 or NUTRI 300, not both.

NUTRI 302 Nutrition for Physical Performance

Same As: KINES 418
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area E1

This course will explore nutrition and fitness with emphasis on the relationship between nutrition, physical activity, lifelong fitness, and health. Credit will be awarded for NUTRI 302 or KINES 418 but not both.

NUTRI 310 Cultural Foods of the World

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 51 and ENGRD 110 and MATH 34 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(b); AA/AS Area VI; CSU Area D; IGETC Area 4

Students will explore the typical food customs and meal patterns of various cultures throughout the world. Students will be introduced to the social, religious, economic, and aesthetic significance of these cultures and examine how geographical, agricultural, and socioeconomic factors influence their nutritional status. Students will also explore the preparation and evaluation of the food products.

NUTRI 322 Nutrition Issues Throughout Life

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(b)

This course is a study of the nutritive needs of persons at various stages of the life cycle with emphasis on special periods such as pregnancy, preschool, adolescence, and aging. This course is particularly helpful to Kinesiology and Early Childhood Education majors as well as those working in social agencies, such as nursing and gerontology.

NUTRI 330 Food Theory and Preparation

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 51 and MATH 27 with grades of "C" or better.
Transferable: CSU
General Education: AA/AS Area III(b); CSU Area E1
C-ID: C-ID NUTR 120

This course provides a comprehensive study of food ingredients and the basic principles and techniques involved in food preparation. Students will examine the factors that influence taste and the changes that occur in foods during preparation. Basic cooking skills and theories will be explored. Additionally, emphasis will be placed on cooking methodologies and their applications.

NUTRI 335 Principles of Food Science

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area III(b); AA/AS Area IV

This course is designed to introduce students to the basic fundamentals of food science and underlying technology associated with providing a safe, nutritious, and abundant supply of fresh and processed foods to humans. Students are introduced to the nature and scope of the world food problem as well as the solutions that have been proposed. This is followed by an introduction to looking at foods and food systems in scientific terms and how understanding basic scientific principles explains how and why we process, prepare, and store foods for human consumption. Students will be introduced to how the food industry and regulatory agencies deal with potential health hazards associated with toxic chemicals and disease-causing organisms that can be present in foods, and how food preservation and processing can extend food availability from times of plenty to times of scarcity and from regions of surplus to regions of deficiency.

NUTRI 480 Nutrition Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for the Honors Program.
Advisory: ENGWR 51 and ENGRD 110; or ESL 114; and MATH 34; with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area III(b); AA/AS Area IV; CSU Area E1
C-ID: C-ID NUTR 110

This is an enriched study of nutrition for honors students. This course will examine dietary nutrients and their physiological functions and their relationship to chronic diseases. Current issues such as food safety, vegetarian diets, world hunger, trans fats, and vitamin and mineral supplementation are examined. Students analyze and evaluate their diets and physical activities using diet analysis software. Scientific research methods are studied in journal articles for weekly discussions. Debates encourage critical thinking from opposing points of view. Students will research and present portions of the course material. This Honors section uses an intensive instructional methodology designed to challenge motivated students. Credit will be awarded for either NUTRI 480 or NUTRI 300, not both.

NUTRI 499 Experimental Offering in Nutrition and Foods

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Occupational Therapy Assisting

The Occupational Therapy Assistant (OTA) program at Sacramento City College prepares students to qualify for and pass the certification exam offered by the National Board for Certification in Occupational Therapy (NBCOT) and to request licensure by the California Board for Occupational Therapy (CBOT).

National certification exam pass rates (https://www.nbcot.org/en/Educators/Home#SchoolPerformance) can be found at the National Board for Certification in Occupational Therapy (NBCOT) website. (https://www.nbcot.org/)

All interested students should attend an information session as the program has extensive prerequisites, requirements and a robust application process.

Degrees Offered

A.S. in Occupational Therapy Assistant

Dean

Program Coordinator Ada Boone Hoerl

Phone (916) 558-2271

Email SCC-OTAInfo@scc.losrios.edu

Associate Degree

A.S. in Occupational Therapy Assistant

An Associate in Science Degree can be obtained by completion of the required Occupational Therapy Assistant program requirements. The degree includes Occupational Therapy Assistant courses (43.5 units), Allied Health courses (5 units), and specific general education and science courses required for the program (18.5-25.5 units). Students must also take additional courses to meet graduation requirements of the college. Courses are scheduled sequentially for four semesters and two summer sessions. The OTA program is cohort-based. Students are expected to advance through the required curriculum each semester in the established sequence. The Allied Health and OTA courses are offered Monday through Thursday in the evening and on Saturdays, with the exception of clinical fieldwork, which is scheduled during weekday business hours.

Supervised clinical fieldwork experiences are integrated throughout the program. Students must complete fieldwork as a corequisite to academic courses. The introduction to clinical practice courses, OTA 122, 132, and 142, require 40 hours of fieldwork (with 14 hours on-campus seminar for each class); OTA 152 requires 20 hours of fieldwork (with 7 hours on-campus seminar). There are two required full-time fieldwork experiences that take place during the student's final two semesters, requiring completion of 320 hours in each assigned setting, to be completed during regular business hours, Monday-Friday. Students must be prepared to begin these rotations on a full-time basis in accordance with the program sequence. These clinical rotations each have a separate and required on-campus seminar course, each for 27 hours. Start dates for each student may vary based on site availability. All efforts are made to place eligible students in fieldwork sites as soon as sites are available. All students must complete Level II fieldwork within 18 months of completion of the didactic component of the program. In addition to graduation eligibility, fieldwork eligibility requires having current documentation on file for physical examinations, immunizations, a TB test, current CPR certification for health personnel (level C), background check, fingerprinting, and drug screening. Fieldwork sites may have additional requirements specific to their site.

In addition to college enrollment fees, other estimated costs include: books and supplies ($900); lab fees ($300); background check and drug screening ($100); physical examinations and immunizations ($175); malpractice insurance ($30); fingerprinting ($150); and fees and related requirements for certification test and licensure ($850). Some clinical sites require that students have health and/or automobile insurance as a condition of acceptance for fieldwork placement. Students must also plan for travel costs to and from the clinical facilities, many of which are outside the Sacramento area. While all efforts are made to place students in locations near their residence, students need to be prepared to travel long distances to complete their fieldwork experiences. Some students may need to arrange for housing during the full-time fieldwork. All clinical fieldwork must be completed in California. The costs listed above are based on current fees and are subject to change without notice.

Students in the OTA Program will be required to practice skills on each other in a laboratory setting with instructor supervision. Lab practical examinations are given to establish skill competence. Students must pass all lab practicals in order to pass a course. Courses in the OTA Program may include discussion of issues such as race, religion, sexuality, disability, and gender as related to the course content.

Additional program requirements are outlined in the OTA Program Handbook provided to all students during the program orientation. These requirements and expectations are reviewed in the orientation and, as applicable, in each program course. Failure to meet all program requirements, perform lab and/or clinical skills safely with competence, or demonstrate legal and ethical behaviors may result in disciplinary actions and/or dismissal from the program.

Accreditation/Certification: Program accreditation standards drive the program's curriculum and the majority of the program requirements. The Occupational Therapy Assistant Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929. ACOTE's phone number, via AOTA, is (301) 652-AOTA, and their web address is www.acoteonline.org. Graduates of the program will be able to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT), located at 12 South Summit Avenue, Suite 100, Gaithersburg, MD 20877-4150. NBCOT's phone number is (301) 990-7979, and their web address is www.nbcot.org. After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Upon successful completion of the NBCOT examination, graduates intending to practice in California are required to be licensed by the California Board of Occupational Therapy (CBOT), located at 2005 Evergreen Street, Suite 2050,

Sacramento, CA 95815. Additional information about these practice regulations can be found at www.bot.ca.gov or by contacting the Board at (916) 263-2294.

Additional Information

About the Program: Informational meetings are held several times each semester and provide prospective students with information on program prerequisites, enrollment process, and other important facts about the program. These meetings address critical factors for student success, including planning related to educational requirements, finances, transportation, release from work, and support needs. All interested students are strongly encouraged to attend. For dates, times, and other information, visit the program website at www.scc.losrios.edu/ota/.

About Fieldwork Requirements: Students must be prepared to attend clinical fieldwork activities during weekday and daytime hours. Evening and weekend fieldwork is not available. Students are responsible for securing transportation to assigned clinical sites to complete the fieldwork component of the program. While all efforts are made to place students in geographically convenient areas, students need to be prepared to travel long distances to complete their fieldwork experiences in some settings. Due to the nature of clinical fieldwork placement, requests for placement on public transit lines are not available. The last two semesters of the program requires full-time clinical fieldwork during which students are unable to work in outside employment. Part-time placement is not available except for documented medical accommodations. Students should develop a financial plan that enables them to complete this required component of the program, which can take several months to complete depending on individual circumstances. Success on the national certification exam is dependent on timely program completion. While students have up to 18 months to complete their Level II fieldwork to account for contingencies that may arise, prompt completion of this requirement supports student success on this high-cost examination. Students must pay full price for each examination attempt.

About Recency of OTA Courses: All courses with an OTA designator (except OTA 100) must have been completed within the last five years at the time of petitioning for graduation. This time frame is consistent with recency requirements for completion of the national exam and for licensure to practice in California. Students who do not meet this qualification must meet with the Program Coordinator and the Division Dean to review individual circumstances.

About Transfer Students: Students from other accredited OT or OTA programs may apply to transfer to the Sacramento City College OTA Program. Students must first apply to the program and be accepted before transfer credits are reviewed. Students must submit the following in order to complete a transfer credit review: transcripts, course syllabi, and a letter of introduction from the director of the program where the student was previously enrolled. Any OT/OTA coursework older than five years will not be considered for transfer. The review of transfer credit requires five to six weeks and cannot be completed if the materials provided are incomplete. A review of the proposed transfer courses does not imply or guarantee acceptance of the coursework. Incoming transfer students are subject to skills and theory testing to confirm current competency prior to final course placement. Students may not transfer to take only the Level II fieldwork courses.

About Felony Convictions: A felony conviction may affect eligibility to sit for the national exam and/or complete the licensure process in California. For more information about an "Early Determination" review for the national exam, contact the National Board for Certification in Occupational Therapy (NBCOT). Their web address is www.nbcot.org. For more information about California licensure, contact the California Board of Occupational Therapy (CBOT). Their web address is www.bot.ca.gov.

Degree Requirements

Course Code	Course Title	Units
Courses Required for Program Application in addition to the Graduation Requirements listed in the Enrollment Limitations:		
AH 106	Communication for Allied Health Careers	2
AH 301	Health Care in a Multicultural Society (3)	3
or SOC 300	Introductory Sociology (3)	
or SOC 480	Introductory Sociology - Honors (3)	
or ANTH 310	Cultural Anthropology (3)	
or ANTH 481	Honors Cultural Anthropology (3)	
AH 311	Medical Language for Health-Care Providers	3
BIOL 100	Introduction to Concepts of Human Anatomy and Physiology (3)	3 - 10[1]
or [BIOL 430	Anatomy and Physiology (5)	
and BIOL 431]	Anatomy and Physiology (5)	
LIBR 307	Medical Information Resources	1
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
or HEED 300	Health Science (3)	
OTA 100	Introduction to Occupational Therapy	1
PSYC 300	General Principles (3)	3[2]
or PSYC 480	Honors General Principles (3)	
PSYC 370	Human Development: A Life Span (3)	3
or FCS 324	Human Development: A Life Span (3)	
Semester 1 (Spring):		
OTA 123	Fundamentals of Clinical Documentation	1
OTA 131	Occupational Therapy Theory and Process in Psychosocial Dysfunction	5
OTA 132	Introduction to Clinical Practice in Psychosocial Dysfunction (1)	1
or OTA 122	Introduction to Clinical Practice in Non-Traditional Settings (1)	
OTA 150	Occupational Therapy Process and Practice in Developmental Disabilities and Pediatric Conditions	2.5
OTA 152	Introduction to Clinical Practice in Pediatric Conditions	0.5
Semester 2 (Summer):		

Course Code	Course Title	Units
OTA 110	Functional Biomechanics for the OTA	3
OTA 111	Functional Biomechanics Lab for the OTA	1
Semester 3 (Fall):		
OTA 140	Theoretical Foundations of Physical Dysfunction	3
OTA 141	Occupational Therapy Process in Physical Dysfunction	4
OTA 142	Introduction to Clinical Practice in Physical Dysfunction (1)	1
or OTA 122	Introduction to Clinical Practice in Non-Traditional Settings (1)	
Semester 4 (Spring):		
OTA 120	Fundamentals of Occupational Therapy Assistant Practice	2.5
OTA 124	Introduction to Electronic Documentation for the OTA	0.5
OTA 160	Fieldwork Level II for the Occupational Therapy Assistant	6
OTA 162	Practice Skills for First Rotation OTA Level II Fieldwork	0.5
Semester 5 (Summer):		
OTA 121	Contemporary Models of Practice in Occupational Therapy	1
Semester 6 (Fall):		
OTA 161	Fieldwork Level II for the Occupational Therapy Assistant	6
OTA 163	Practice Skills for Second Rotation OTA Level II Fieldwork	0.5
Total Units:		**61 - 68**

[1]Ten year recency required.

[2]Ten year recency required.

The Occupational Therapy Assistant Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Students must be eligible for graduation with the exception of OTA coursework.
- Completion of AH 106, AH 301, AH 311 or ANTH 310 or SOC 300, BIOL 100 or BIOL 430 and BIOL 431, LIBR 307, NUTRI 300 or FCS 340 or HEED 300, OTA 100, PSYC 300 or PSYC 480, and PSYC 370 or FCS 324 with grades of “C” or better. BIOL 100 or BIOL 430 and BIOL 431 and PSYC 300 or equivalent courses must have been completed within the last 10 years at the time of application to the program.
- Completion of SCC general education courses in the following areas: Area I - Humanities, Area II(b)- Communication and Analytical Thinking, Area III(a)- Physical Education, Area V(a)- American Institutions, and Area VI- Ethnic/Multicultural Studies.
- Completion of SCC graduation competencies for reading, writing, and math.
- Students must have an overall GPA of 2.5 or higher.
- Courses passed with a grade "P" or "CR" will be calculated into the student's GPA as a "C" grade.
- Students with in-progress coursework must show proof of enrollment at the time of application and submit proof of successful completion at the end of the semester to retain eligibility. Wait-listed courses are not eligible.
- All official transcripts and approved course substitution forms for courses completed outside of the Los Rios Community College District must be on file with the SCC Admissions & Records office at the time of application.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Interested students are strongly encouraged to attend a program information meeting prior to applying to the program. Dates and times can be found on the program website at http://www.scc.losrios.edu/ota/. In addition, those who have previously attended an information meeting must monitor the program web site to ensure they have the most current information as requirements may have changed. Students may also attend additional information meetings.
- The program will implement a wait list effective Fall 2019. Qualified applicants will be notified of their placement on the list and their projected enrollment year. Once placed on the wait list, the student is required to submit a renewal application each year to retain their eligibility and place on the list until they are enrolled in the program.
- New applications and renewal applications to the program must be submitted by the posted due date, which can be found on the program website at http://www.scc.losrios.edu/ota/. All application types are accepted once a year and are submitted only online. New applicants must submit a complete and qualified application in order to be considered. New applicants must also submit proof of enrollment for in-progress courses in PDF format only, and transcripts for completed coursework must be on file in the SCC Admissions & Records department at the time of application. Renewal applicants must confirm each year that they would like to retain their eligibility on the wait list.
- When the number of applicants to a program exceeds the available seats, a random selection process is used to determine the roster of the incoming class, per California Education Code. Students who have submitted complete and qualified applications in prior sequential years will receive entries in the random selection equal to the number of years applied to establish the initial wait list during Fall 2019. Failure to meet any requirements will result in the application

being categorized as a new application. The order of annual additions to the wait list will be determined by random selection.

- Selected students who decline their seat in the next cohort will need to re-apply as a new applicant during the next application cycle to return to the wait list.
- Students selected to enter the program will be expected to fulfill additional requirements prior to their first semester to maintain their eligibility for enrollment. Examples of these requirements include: completion of a background check, drug screen, physical examination, immunizations, CPR and HIPAA training; and purchase of malpractice insurance and a medical document manager subscription. Detailed instructions are provided at the time of eligibility notification. Costs of these requirements are the student's responsibility. This list is not fully inclusive and is subject to change without notice.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- recognize the theoretical frames of reference from which the practice of occupational therapy is derived.
- demonstrate fundamental skills in the use of evidence to guide practice and participate in research activities as directed.
- describe occupational therapy programs and practice as currently organized in health care delivery systems.
- describe emerging and non-traditional practice areas and define the role of the OTA in these settings.
- analyze tasks and environments to assess their therapeutic qualities and constraints.
- perform evaluation procedures selected according to OTA practice guidelines.
- assist in developing occupational therapy intervention plans.
- implement an intervention plan to engage clients in purposeful activities related to occupation.
- document factual client data for oral and written communication, using either traditional methods or new technologies.
- maintain records and reports including counter-signatures, as guided by regulations for confidentiality, reimbursement, and quality assurance.
- revise and implement OT intervention plans in ongoing collaboration with the supervising OT.
- assess factors that warrant change or discontinuation of an established intervention plan, in collaboration with the supervising OT.
- manage supplies and equipment necessary for OT intervention, demonstrating safety and appropriate infection control procedures.
- access, reference, and abide by all state regulations.
- locate, reference, and abide by all federal regulations, including HIPAA and ADA guidelines.
- apply the OT Code of Ethics as an element of all professional interactions and service provision.
- adhere to all OT department and agency policies and procedures.
- explain the definition and role of occupational therapy to consumers and other health practitioners.
- discuss how socio-cultural diversity may influence the therapeutic process.
- demonstrate actions that reflect non-judgmental attitudes and values toward patient/clients, staff, and family members in professional situations.
- exhibit behaviors that respect the client’s basic rights to quality service with minimum risk of further injury or insult.
- demonstrate an attitude of professional responsibility for self-directed learning as a life-long process for acquiring new knowledge, abilities, attitudes, and refining clinical reasoning.
- demonstrate active involvement in professional development, leadership, and advocacy.

Career Information

This program prepares the student for employment as an occupational therapy assistant. Occupational therapy assistants work with people of all ages who, because of physical, cognitive, developmental, social, or emotional problems, need specialized assistance in order to lead independent, productive, and satisfying lives. They may work in a wide variety of settings including hospitals, rehabilitation centers, skilled nursing facilities, home health agencies, school systems, psychiatric hospitals, private practice outpatient clinics, and emerging practice areas.

Occupational Therapy Assisting (OTA) Courses

OTA 100 Introduction to Occupational Therapy

Units: 1
Hours: 18 hours LEC
Prerequisite: None.

This course has been designed to provide the student with information needed to determine if occupational therapy (OT) is a suitable career option. The student is introduced to human occupation as participation in everyday life activities. In addition, the course will address how health, wellness, disease, and disability affect engagement in life tasks and how OT interventions are used to maximize performance within chosen activities. The role of the Occupational Therapy Assistant (OTA) is defined, with explanation of the history of OT as well as current and emerging practice settings. Professional activities, requirements, ethics, and behaviors are also discussed. A four-hour observation in an OT clinic or program for special needs populations is required. Students are responsible for securing their own observation sites, with guidance from the instructor, as well as the related transportation to/from the facility. Some facilities may have additional requirements for student observations, such as a clear tuberculosis test and/or fingerprinting. Students are responsible for the cost of these additional requirements, if any.

OTA 110 Functional Biomechanics for the OTA

Units: 3
Hours: 54 hours LEC
Prerequisite: OTA 150 and 152 with grades of "C" or better
Corequisite: OTA 111

In this course the Occupational Therapy Assistant (OTA) student will explore components of human movement, including joint structure and function, muscle action, motor and reflex development, and balance and sensory influence. In addition to the body structures involved in movement, students will examine the motor and process skills and sensory and neuromusculoskeletal client factors required for engagement in occupation across the lifespan. Students will complete a formal biomechanical activity analysis as it relates to occupational performance.

OTA 111 Functional Biomechanics Lab for the OTA

Units: 1
Hours: 54 hours LAB
Prerequisite: OTA 150 and 152 with grades of "C" or better
Corequisite: OTA 110

In this course the Occupational Therapy Assistant (OTA) student will use an analysis and problem-solving approach to functional human movement across the lifespan. Through hands-on laboratory activities, students will develop skills in assessment of client factors affecting engagement in occupations. Students will explore basic intervention methods and strategies for remediation of and compensation for biomechanical deficits and impairments.

OTA 120 Fundamentals of Occupational Therapy Assistant Practice

Units: 2.5
Hours: 45 hours LEC
Prerequisite: OTA 123 and LIBR 307 with grades of "C" or better.

In this course the student will develop knowledge and understanding of the various contexts in which Occupational Therapy (OT) services are provided. Participation in the management and reimbursement of OT services within the scope of the Occupational Therapy Assistant (OTA) is addressed as well. Included is discussion of the principles of management and systems as they relate to providing OT services to individuals and within organizations. Professional responsibilities are examined with an emphasis on development of professional attitudes and behaviors.

OTA 121 Contemporary Models of Practice in Occupational Therapy

Units: 1
Hours: 18 hours LEC
Prerequisite: OTA 120 with a grade of "C" or better

Significant changes in health care have resulted in a move away from the medical and institutional models to community-based models. This course will provide the Occupational Therapy Assistant (OTA) student with a foundation of knowledge that will allow the student to pursue practice opportunities in community-based and other non-traditional and emerging practice settings. In this course, the student will gain an understanding of the various disciplines involved in these settings, the role of or potential for occupational therapy (OT) services within these organizations and funding sources. The student will explore legislative aspects of OT in community-based and non-traditional services, further developing their professional advocacy skills. Students will also explore the profession's philosophical beliefs about inclusion and OT service accessibility.

OTA 122 Introduction to Clinical Practice in Non-Traditional Settings

Units: 1
Hours: 54 hours LAB
Prerequisite: AH 106 with a grade of "C" or better
Enrollment Limitation: Students must have completed all degree and college graduation requirements with the exception of OTA courses and be officially accepted into an OTA program cohort.

Through Level I fieldwork experiences, students will be introduced to non-traditional practice for individuals with conditions that limit or affect engagement in occupations. As participant observers, students will integrate academic experiences with Occupational Therapy (OT) process in fieldwork settings serving non-traditional clients, those not in typical clinical settings. Through interactions with clients and staff, students will develop skills in observation of occupational performance, clinical safety, therapeutic communication and clinical relationships, professional behavior and boundary-setting, and the self-awareness necessary to be a successful OT practitioner. Students will be required to complete 40 hours of clinical fieldwork during weekday business hours and attend 14 hours of on-campus discussion group. This course is graded Pass/No Pass. Note: Fieldwork sites may require current documentation for the following requirements: a physical examination, immunizations, a TB test, CPR certification for health personnel (level C), background check, fingerprinting, drug screen, proof of health insurance, and proof of automobile insurance if driving is involved as part of the clinical experience. Students are responsible for their own transportation to/from the fieldwork site.

OTA 123 Fundamentals of Clinical Documentation

Units: 1
Hours: 18 hours LEC
Prerequisite: See enrollment limitations
Enrollment Limitation: Students must have completed all degree and college graduation requirements with the exception of core OTA courses and be officially accepted into an OTA program cohort.

In this course, the Occupational Therapy Assistant student will develop basic skills in clinical documentation. Students will be introduced to various documentation formats as required by different treatment settings and reimbursement systems. Students will be required to distinguish between subjective and objective reports and development of the clinical opinion and a plan based on these reports. The "Occupational Therapy Practice Framework" will be used as a tool critical to developing fluency in documentation terminology.

OTA 124 Introduction to Electronic Documentation for the OTA

Units: 0.5
Hours: 9 hours LEC
Prerequisite: OTA 120 and 123 with grades of "C" or better

The use of electronic medical record (EMR) is an expected skill in health care practice as service providers establish compliance with federal mandates for medical information management. This course will provide the occupational therapy assistant student with an introduction to EMR formats, methods, reimbursement requirements, and legal issues. This course prepares the student for learning the basics of the EMR in preparation for Level II fieldwork.

OTA 131 Occupational Therapy Theory and Process in Psychosocial Dysfunction

Units: 5
Hours: 72 hours LEC; 54 hours LAB
Prerequisite: See enrollment limitations
Corequisite: OTA 132
Enrollment Limitation: Students must have completed all degree and college graduation requirements with the exception of OTA courses and be officially accepted into an OTA program cohort.

This course examines the role of the Occupational Therapy Assistant (OTA) when working with individuals who have mental health conditions, cognitive impairments, trauma histories, and/or disregulated behaviors in a range of settings and contexts. Students will explore areas of occupation, performance skills, performance patterns, contexts, activity demands, and client factors that affect engagement in occupation throughout the lifespan and how these are influenced by psychosocial factors. Occupational Therapy (OT) process will be addressed to include an understanding of an occupational profile, analysis of occupational performance, intervention planning and implementation, and methods to elicit therapeutic outcomes. Students will also advance their skills in activity analysis and the use of professional literature and resources, as well as their awareness of the theoretical models that influence clinical decision-making.

OTA 132 Introduction to Clinical Practice in Psychosocial Dysfunction

Units: 1
Hours: 54 hours LAB
Prerequisite: See enrollment limitations
Corequisite: OTA 131
Enrollment Limitation: Students must have completed all degree and college graduation requirements with the exception of OTA courses and be officially accepted into an OTA program cohort.

Through Level I fieldwork experiences, students will be introduced to clinical practice for individuals with mental health conditions and disregulated behaviors that limit or affect engagement in occupations. As participant observers, students will integrate academic experiences with Occupational Therapy (OT) process in settings serving clients with a variety of psychosocial challenges and degrees of disability. Through interactions with clients and staff, students will develop skills in observation of occupational performance, clinical safety, therapeutic communication and clinical relationships, professional behavior and boundary-setting, and the self-awareness necessary to be a successful OT practitioner. Students will be required to complete 40 hours of clinical fieldwork during weekday business hours and attend 14 hours of on-campus discussion group. This course is graded Pass/No Pass. Note: Fieldwork sites may require current documentation for the following requirements: a physical examination, immunizations, a TB test, CPR certification for health personnel (level C), background check, fingerprinting, drug screen, proof of health insurance, and proof of automobile insurance if driving is involved as part of the clinical experience. Students are responsible for their own transportation to/from the fieldwork site.

OTA 140 Theoretical Foundations of Physical Dysfunction

Units: 3
Hours: 54 hours LEC
Prerequisite: OTA 110 and 111 with grades of "C" or better
Corequisite: OTA 141 and 142

This course introduces the Occupational Therapy Assistant (OTA) student to neurological, orthopedic, and medical conditions that result in physical disabilities. Students will explore areas of occupation, performance skills, performance patterns, contexts, activity demands, and client factors that affect engagement in occupation throughout the lifespan and how these are influenced by physical dysfunction. Students will also develop skills in the use of professional literature and resources, as well as an awareness of the theoretical models that influence clinical decision-making.

OTA 141 Occupational Therapy Process in Physical Dysfunction

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: OTA 110 and 111 with grades of "C" or better
Corequisite: OTA 140 and 142

This course examines the role of the Occupational Therapy Assistant (OTA) when working with individuals who have orthopedic, neurological, or medical conditions. Occupational Therapy (OT) process will be addressed, to include an understanding of an occupational profile, analysis of occupational performance, as well as intervention planning, implementation, and approaches. Students will also develop skills in selected assessments, clinical documentation, and the selection and use of therapeutic activities and media to elicit engagement in occupation and therapeutic outcomes.

OTA 142 Introduction to Clinical Practice in Physical Dysfunction

Units: 1
Hours: 54 hours LAB
Prerequisite: OTA 110 and 111 with grades of "C" or better
Corequisite: OTA 141

Through Level I fieldwork experiences, students will be introduced to clinical practice for individuals with physical disabilities that limit or affect engagement in occupation. As participant observers, students will integrate academic experiences with Occupational Therapy (OT) process in settings serving clients with a variety of physical challenges and degrees of disability. Through interactions with clients and staff, students will develop skills in observation of occupational

performance, clinical safety, therapeutic communication and clinical relationships, professional behavior and boundary-setting, and the self-awareness necessary to be a successful OT practitioner. Students will be required to complete 40 hours of clinical fieldwork during weekday business hours and attend 14 hours of on-campus discussion group. This course is graded Pass/No Pass. Note: Fieldwork sites may require current documentation for the following requirements: a physical examination, immunizations, a TB test, CPR certification for health personnel (level C), background check, fingerprinting, drug screen, proof of health insurance, and proof of automobile insurance if driving is involved as part of the clinical experience. Students are responsible for their own transportation to/from the fieldwork site.

OTA 150 Occupational Therapy Process and Practice in Developmental Disabilities and Pediatric Conditions

Units: 2.5
Hours: 36 hours LEC; 27 hours LAB
Prerequisite: See enrollment limitations
Corequisite: OTA 152
Enrollment Limitation: Students must have completed all degree and college graduation requirements with the exception of OTA courses and be officially accepted into an OTA program cohort.

This course introduces developmental disabilities and common conditions of children and adolescents referred for occupational therapy treatment. The scope of occupational therapy, the types of practice settings, and the role of the occupational therapy assistant in pediatrics and developmental disabilities are also covered. Common frames of references, evaluation tools and procedures, and intervention strategies used in pediatric occupational therapy practice are presented.

OTA 152 Introduction to Clinical Practice in Pediatric Conditions

Units: 0.5
Hours: 27 hours LAB
Prerequisite: See enrollment limitations
Corequisite: OTA 150
Enrollment Limitation: Students must have completed all degree and college graduation requirements with the exception of OTA courses and be officially accepted into an OTA program cohort.

Through Level I fieldwork experiences, students will be introduced to clinical practice for individuals with pediatric or developmental conditions that limit or affect engagement in occupation. As participant observers, students will integrate academic experiences with Occupational Therapy (OT) process in settings serving clients with a variety of occupational challenges and degrees of disability. Through interactions with clients and staff, students will develop skills in observation of occupational performance, clinical safety, therapeutic communication and clinical relationships, professional behavior and boundary-setting, and the self-awareness necessary to be a successful OT practitioner. Students will be required to complete 20 hours of clinical fieldwork and attend 7 hours of on-campus discussion group. This course is graded Pass/No Pass. Note: Fieldwork sites may require current documentation for the following requirements: a physical examination, immunizations, a TB test, CPR certification for health personnel (level C), background check, fingerprinting, drug screen, proof of health insurance, and proof of automobile insurance if driving is involved as part of the clinical experience. Students are responsible for their own transportation to/from the fieldwork site.

OTA 160 Fieldwork Level II for the Occupational Therapy Assistant

Units: 6
Hours: 324 hours LAB
Prerequisite: OTA 131 and 132 with grades of "C" or better
Corequisite: OTA 162

This course concentrates on the application of knowledge and skills for the occupational therapy assistant (OTA) student. The student is placed in a supervised fieldwork setting, which provides the student with the opportunity for carrying out professional responsibility with appropriate supervision and professional role modeling. Students complete 320 hours of supervised fieldwork in a facility working with patients with physical and/or psychosocial dysfunction. Students will be placed in two distinctly different clinical settings for OTA 160 and OTA 161 in order to experience a broad range of clinical expectations and scenarios, while progressively refining and advancing skills from one course to the next. Fieldwork sites are assigned by the fieldwork coordinator. This course is graded Pass/No Pass. Note: Fieldwork sites may require current documentation for the following requirements: a physical examination, immunizations, a TB test, CPR certification for health personnel (level C), background check, fingerprinting, drug screen, proof of health insurance, and proof of automobile insurance if driving is involved as part of the clinical experience. Students are responsible for their own transportation to/from the fieldwork site.

OTA 161 Fieldwork Level II for the Occupational Therapy Assistant

Units: 6
Hours: 324 hours LAB
Prerequisite: OTA 121, 141, and 142 with grades of "C" or better
Corequisite: OTA 163

This course concentrates on the application of knowledge and skills for the occupational therapy assistant (OTA) student. The student is placed in a supervised fieldwork setting, which provides the student with the opportunity for carrying out professional responsibility with appropriate supervision and professional role modeling. Students complete 320 hours of supervised fieldwork in a facility working with patients with physical and/or psychosocial dysfunction. Students will be placed in two distinctly different clinical settings for OTA 160 and OTA 161 in order to experience a broad range of clinical expectations and scenarios, while progressively refining and advancing skills from one course to the next. Fieldwork sites are assigned by the fieldwork coordinator. This course is graded Pass/No Pass. Note: Fieldwork sites may require current documentation for the following requirements: a physical examination, immunizations, a TB test, CPR certification for health personnel (level C), background check, fingerprinting, drug screen, proof of health insurance, and proof of automobile insurance if driving is involved as part of the clinical experience. Students are responsible for their own transportation to/from the fieldwork site.

OTA 162 Practice Skills for First Rotation OTA Level II Fieldwork

Units: 0.5
Hours: 27 hours LAB
Prerequisite: None.
Corequisite: OTA 160

This course, taken in conjunction with OTA 160, provides the OTA student with structured lab activities to support success in clinical activities during Level II fieldwork. Students will practice the occupational therapy assessment and treatment needs of various populations through the lifespan. To ensure currency in a range of topics, this lab will also include activities related to OTA scope of practice, documentation, regulations, productivity, and reimbursement. National certification exam and licensing preparation activities will also be included.

OTA 163 Practice Skills for Second Rotation OTA Level II Fieldwork

Units: 0.5
Hours: 27 hours LAB
Prerequisite: None.
Corequisite: OTA 161

This course, taken in conjunction with OTA 161, provides the OTA student with structured lab activities to support success in clinical activities during Level II fieldwork. Students will practice the occupational therapy assessment and treatment needs of various populations through the lifespan. To ensure currency in a range of topics, this lab will also include activities related to OTA scope of practice, documentation, regulations, productivity, and reimbursement. National certification exam and licensing preparation activities will also be included.

OTA 295 Independent Studies in Occupational Therapy Assistant

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Enrollment Limitation: Only students officially enrolled in the Occupational Therapy Assistant Program, and in good-standing, are eligible for this course.

This course allows an individual student enrolled in the Occupational Therapy Assistant Program to study, research, and participate in clinical or community activities beyond the scope of regularly offered classes, pursuant to an agreement among the college, faculty members, and the student.

OTA 299 Experimental Offering in Occupational Therapy Assistant

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Optical Technology

The Optical Technology Program will be starting in Fall 2022.

We will be offering courses in the fall for the **Optical Technician** certificate. The coursework for this certificate will be a combination of online classes and in-person classes. The in-person classes will be held at our West Sacramento Center (https://scc.losrios.edu/student-resources/west-sacramento-center-services).

Enrollment into the certificate program will require that the student complete an online application (https://scc.losrios.edu/academics/optical-technology-program-details). The deadline to apply is April 30, 2022.

Optical Technology Program Details (https://scc.losrios.edu/academics/optical-technology-program-details)

Certificates Offered

Contact Lens Technician Certificate

Optical Technician Certificate

Dean James Collins

Department Chair Sue Hussey

Phone (916) 558-2550

Email husseys@scc.losrios.edu

Certificates of Achievement

Contact Lens Technician Certificate

The Contact Lens Technician Program is an academic certificate that prepares students for occupations in visual technology services. The certificate includes online classroom instruction, in-person laboratory practice and an internship in a vision services or retail opticianry business where students will assess patients and provide contact lens fitting services. Skills that will be learned include contact lens fitting and adjustment, manufacturing of lenses and business concepts for optical services. This program is designed to be a full-time or part-time certificate that is 75% online. After successful completion of the curriculum, the student is eligible to take the National Contact Lens Examiners (NCLE) Examination and upon passing becomes a certified contact lens technician. This evidence of competence is recognized throughout the United States. In addition, graduates will be able to apply for registration as a Registered Contact Lens Dispenser with the California State Board of Optometry. In addition to normal student expenses (for textbooks, etc.), the contact lens technician program requires an expenditure of approximately $400.00 during the program for lab coat/uniforms, special supplies and transportation to internship sites. Applicants are encouraged to check with the Financial Aid Office for possible assistance before entering the program.

Certificate Requirements

Course Code	Course Title	Units
AH 106	Communication for Allied Health Careers	2
OPT 101	Anatomy, Physiology and Pathology of the Eye	3
CISA 315	Introduction to Electronic Spreadsheets	2
OPT 202	Contact Lens Theory I	3
OPT 203	Contact Lens Skills Lab I	1.5
OPT 204	Contact Lens Theory II	3
OPT 205	Contact Lens Clinical Lab I	2.5
OPT 206	Review Course for National Contact Lens Certification Exam	1
Total Units:		**18**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Completion of application form.
- Recommended to have completed or have in-progress the Optical Technician certificate program.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Complete the online application form per the Sac City Optical Technology website.
- In the event there are more applicants than spaces available, students will be entered into a random selection pool.
- The first 30 applicants identified through the random selection process will be selected for the program; all others are alternates and will be notified if/when seats become available in that semester.
- Students accepted for enrollment in the Contact Lens Technician Certificate Program will be required to provide documentation of capability to perform essential job-related functions of a Contact Lens Technician as determined by professional practice standards and the industry advisory board.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze professional, ethical, legal, business and regulatory concepts to contact lens services, community projects, and professional activities.
- correlate health literacy and culturally competent communication skills to contact lens services, academic endeavors, community projects, and professional activities.
- prioritize critical thinking and self-assessment skills to enhance learning, research, patient care, and professional growth.
- integrate knowledge of the practice of opticianry to the demonstration of optician related skills in customer service, business skills, contact lens manufacturing processes, and delivery of optician care services.

- synthesize knowledge necessary for successful completion of the National Contact Lens Examiners (NCLE) Examination and California State Board of Optometry's Registration as a Contact Lens Dispenser (RCLD).

Career Information

This program prepares the student for employment as an optician or contact lens technician who dispenses contact lenses. The optician or contact lens technician may work independently at registered dispensing optician locations or with an optometrist or ophthalmologist in the fitting, adjusting, and dispensing of contact lenses for patients. Employment opportunities are growing in this field with starting wages between $20-23 for the region with opportunities for career advancement. Employment settings include private optometry practices, registered dispensing optician locations, public and private hospitals, clinics and laboratories, optometry schools, optical laboratories, manufacturing companies, educational programs, and the armed forces.

Optical Technician Certificate

The Optical Technician Program is an academic certificate that prepares students for occupations in visual technology services. The certificate includes online classroom instruction, in-person laboratory practice and an internship in a vision services or retail opticianry business where students will assess patients and provide eye glass fitting services. Skills that will be learned include eye glass fitting and adjustment, manufacturing of lenses and frames and business concepts for optical services. This program is designed to be a full-time or part-time certificate that is 75% online. The SCC Optical Technology website will have current offering information for the part time or full time tracks. After successful completion of the curriculum, the student is eligible to take the American Board of Opticianry (ABO) Examination and upon passing becomes a Certified Optician. This evidence of competence is recognized throughout the United States. In addition, graduates will be able to apply for registration as a Registered Spectacle Lens Dispenser with the California State Board of Optometry. In addition to normal student expenses (for textbooks, etc.), the optical technician program requires an expenditure of approximately $400.00 during the certificate program for lab coat/uniforms, special supplies and transportation costs for internships. Applicants are encouraged to check with the Financial Aid Office for possible assistance before entering the program if this creates a hardship.

Certificate Requirements

Course Code	Course Title	Units
AH 106	Communication for Allied Health Careers	2
OPT 101	Anatomy, Physiology and Pathology of the Eye	3
CISA 315	Introduction to Electronic Spreadsheets	2
OPT 102	Optical Materials Theory I	3
OPT 103	Optical Materials Skills Lab I	1
OPT 104	Optical Dispensing Theory I	3
OPT 105	Optical Dispensing Clinical Lab I	2
OPT 106	Review Course for American Board of Opticianry (ABO) Certification Exam	1
Total Units:		**17**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Completion of online application form.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Complete the online application form per the Sac City Optical Technology website.
- In the event there are more applicants than spaces available, students will be entered into a random selection pool.
- The first 30 applicants identified through the random selection process will be selected for the program; all others are alternates and will be notified if/when seats become available in that semester.
- Students accepted for enrollment in the Optical Technician Certificate Program will be required to provide documentation of capability to perform essential job-related functions of an Optical Technician as determined by professional practice standards and the industry advisory board.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- analyze professional, ethical, legal, business and regulatory concepts to eyeglass services, community projects, and professional activities.
- correlate health literacy and culturally competent communication skills to eyeglass services, academic endeavors, community projects, and professional activities.
- prioritize critical thinking and self-assessment skills to enhance learning, research, patient care, and professional growth.
- integrate knowledge of the practice of opticianry to the demonstration of optician related skills in customer service, business skills, eye glass lens and frame manufacturing processes, and delivery of optician care services.
- synthesize knowledge necessary for successful completion of the National American Board of Opticianry (ABO) Examination and California State Board of Optometry's Registration as a Spectacle Lens Dispenser (RSLD).

Career Information

This program prepares the student for employment as an optician. The optician may work independently at registered dispensing optician locations or with an optometrist or

ophthalmologist in the fitting, adjusting, and dispensing of eyeglasses for patients. Employment opportunities show projected growth in the region with starting wages from $19-$21 and opportunities for career advancement into higher positions. Employment settings include private optometry practices, registered dispensing optician locations, public and private hospitals, clinics and laboratories, optometry schools, optical laboratories, manufacturing companies, educational programs, and the armed forces.

Optical Technology (OPT) Courses

OPT 101 Anatomy, Physiology and Pathology of the Eye

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course covers the anatomical and physiological functions of the eye and its associated structures. Emphasis is on normal vision and common disorders of the visual system. In addition, students will learn material related to the physiological developmental stages from pediatrics to geriatrics, and its relation to refractive errors. Topics also include accommodation, eye movements, anomalies, common and special surgical procedures and basic pharmacological agents. This course has a math emphasis, which will require basic calculations.

OPT 102 Optical Materials Theory I

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Corequisite: OPT 103

In this course, students are introduced to the study of optical theory, principles of optics, ophthalmic lens characteristics and design. Students will learn the arithmetic, algebra, geometry, and trigonometry necessary to evaluate optical formulas. Topics include applying the metric system, intermediate and advanced optical calculations, theories of light, refractive errors, lens measurement, refraction, refractive errors, tilts, face form, lens aberrations, lens reflection, image formation, absorption, transmission, and American National Standards Institute (ANSI) as it relates to the Optical and Optometry environment.

OPT 103 Optical Materials Skills Lab I

Units: 1
Hours: 54 hours LAB
Prerequisite: None.
Corequisite: OPT 102

This course introduces the students to the career and role of an Optician in an Optometry, Optical, and lab environment. Topics include operations of the ophthalmic laboratory, practices and procedures. Emphasis is on surfacing and finishing, frame and lens materials, inventory, equipment and instrumentation, and safety, American National Standards Institute (ANSI) standards, Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), and Health Insurance Portability and Accountability Act (HIPAA) requirements.

OPT 104 Optical Dispensing Theory I

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Corequisite: OPT 105

This course introduces the historical and modern dispensing practices and the laws governing opticianry, frame and lens materials, fitting and adjustments, performing dispensing and administrative tasks, professional etiquette, and billing insurance. In this course the student will learn about basic optical business management, current eyecare trends and practices. Topics include inventory management, advertising, and future trends.

OPT 105 Optical Dispensing Clinical Lab I

Units: 2
Hours: 108 hours LAB
Prerequisite: OPT 101, 102, and 103 with grades of "C" or better; Or OPT 101, OPT 102 and OPT 103 can be taken currently for a full-time student taking the certificate one 16-week semester.
Corequisite: OPT 104

This course provides practical experience in assigned businesses, with emphasis on observation and practical application. Emphasis is on working conditions in different production settings and on time demands. Students will actively learn about the role of an Optician in an Optometry and Optical environment, job opportunities, basic optical business management, current eyecare trends and practices, professional ethics, advertising, future trends, customer service, cult diversity with patients, sensory considerations, teamwork, applying laws and regulations when fitting and dispensing to patients, processing orders, billing insurance, and fabricating lenses.

OPT 106 Review Course for American Board of Opticianry (ABO) Certification Exam

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: OPT 101, 102, 103, 104, and 105 with grades of "C" or better; Or work experience in the field of optical technology.

The focus of this course is on reviewing concepts, questions, and practical knowledge acquired from prerequisite courses to prepare for the American Board of Opticianry (ABO) State Exam to become certified as an Optician. This review will provide students with opportunities to take practice quizzes covering ocular anatomy, physiology, pathology, and refraction, ophthalmic optics, ophthalmic formulas, ophthalmic products, instrumentation, dispensing, laws, regulations, and standards.

OPT 202 Contact Lens Theory I

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Corequisite: OPT 203
Advisory: OPT 101, 102, 103, 104, and 105 with grades of "C" or better

This course introduces the theory of contact lens fitting. Emphasis is on soft and rigid contact lens design and fitting concepts, adjustments and modifications, different types of contact lenses, wearing schedules and adhering to federal and state regulations, and Food and Drug Administration (FDA) guidelines. Application of technical concepts of optical sciences will be applied to services for contact lens patients. In addition, students will learn material related to the physiological developmental stages from pediatrics to geriatrics.

OPT 203 Contact Lens Skills Lab I

Units: 1.5
Hours: 81 hours LAB
Prerequisite: None.
Corequisite: OPT 202
Advisory: OPT 101, 102, 103, 104, and 105 with grades of "C" or better

In this course, the student will apply knowledge from OPT 202 (Contact Lens Theory I) to analyze prescriptions and make contact lens selections. Topics include refraction, prism, lens power, formulas, use of basic computations, and instrumentation. This course has an intermediate level of math emphasis. Students will evaluate, adjust, modify, insert, and remove contact lenses while adhering to Food and Drug Administration (FDA), Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), and Health Insurance Portability and Accountability Act (HIPAA) guidelines within the laboratory.

OPT 204 Contact Lens Theory II

Units: 3
Hours: 54 hours LEC
Prerequisite: OPT 202 with a grade of "C" or better; or concurrent enrollment in OPT 202
Corequisite: OPT 205

This course continues the study of contact lens fitting with an emphasis on soft contact lens advanced fitting design and techniques. Topics include evaluating, fitting, dispensing contact lenses, interpreting prescriptions, extended-wear lenses, care procedures, keratotomy, keratoconus, troubleshooting, and federal and state regulations.

OPT 205 Contact Lens Clinical Lab I

Units: 2.5
Hours: 135 hours LAB
Prerequisite: OPT 101, 202, and 203 with grades of "C" or better; Or concurrent enrollment with OPT 101, OPT 202 and OPT 203 to accommodate for a full-time student completing the certificate in one 16 week semester.
Corequisite: OPT 204
Advisory: OPT 105, 202, and 203 with grades of "C" or better

This course provides practical experience in assigned businesses, with emphasis on observation, practical application, and working conditions in different production settings and on time demands. Students will actively learn about the role of an Optician in an Optometry and Optical environment, job opportunities, professional ethics, customer service, cultural diversity with patients, sensory considerations, teamwork, applying laws and regulations when fitting and dispensing contact lenses to patients, processing orders, and billing insurance.

OPT 206 Review Course for National Contact Lens Certification Exam

Units: 1
Hours: 18 hours LEC
Prerequisite: None.
Advisory: OPT 101, 202, 203, 204, and 205 with grades of "C" or better; Or work experience in contact fitting job skills in an optical technology setting.

This course provides preparation for the National Contact Lens Examiner (NCLE) State Exam. Practice quizzes are featured which supports successful completion of the state exam. Topics include, but not limited to, ocular anatomy, physiology, pathology, refractive errors, principles of optics and terminology related to contact lenses, instrumentation and observation, prefitting, diagnostic fitting, dispensing, follow-up, administrative procedures, laws, and regulations.

OPT 299 Experimental Offering in Optical Technology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

OPT 499 Experimental Offering in Optical Technology

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Philosophy

Philosophy examines fundamental and important questions regarding the nature of truth, sound reasoning, morality, beauty, God, justice, reality, and the elements essential to living the good life. Diligent study of philosophy will improve one's critical thinking skills in order to prepare for a career in teaching, law, medical ethics, public service, writing and publishing, social work and religious services, as well as provide a strong foundation for graduate work in various academic disciplines.

This program is intended to prepare students for transfer into baccalaureate philosophy programs at the California State University. It provides essential lower division work and offers a broad selection of elective courses. It also offers the opportunity to develop general skills, such as critical thinking, comprehending challenging reading materials, and producing clear and precise argumentative writing, which are useful in a broad range of endeavors.

Degrees Offered

A.A.-T. in Philosophy

A.A. in Environmental Literacy

A.A. in Interdisciplinary Studies: Arts and Humanities

Dean Patti Leonard

Department Chair Timothy Quandt

Phone (916) 558-2496

Email QuandtT@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Philosophy

This program is intended to prepare students for transfer into baccalaureate philosophy programs at the California State University. It provides essential lower division work and offers a broad selection of elective courses. It also offers the opportunity to develop general skills, such as critical thinking, comprehending challenging reading materials, and producing clear and precise argumentative writing, which are useful in a broad range of endeavors.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
PHIL 300	Introduction to Philosophy (3)	3
or PHIL 310	Introduction to Ethics (3)	
PHIL 325	Symbolic Logic	3
PHIL 330	History of Classical Philosophy (3)	3
or PHIL 480	History of Classical Philosophy - Honors (3)	
PHIL 331	History of Modern Philosophy (3)	3
or PHIL 481	History of Modern Philosophy - Honors (3)	
A minimum of 6 units from the following:		6
PHIL 300	Introduction to Philosophy (3)	
PHIL 306	Environmental Philosophy (3)	
PHIL 310	Introduction to Ethics (3)	
PHIL 338	Contemporary Philosophy (3)	
PHIL 352	Introduction to World Religions (3)	
PHIL 368	Law, Justice, and Punishment (3)	
Total Units:		**18**

The Associate in Arts in Philosophy for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- comprehend texts on both literal and inferential levels.
- articulate ideas and arguments in a clear and precise manner.
- defend their own views with careful and compelling reasoning.
- express the perspectives and arguments of others in an accurate and nuanced manner.

Career Information

Those who possess M.A. and Ph.D degrees in philosophy find employment in the academic sector as teachers and professors. In addition, undergraduate study in philosophy is good preparation for law school and other graduate programs requiring facility with critical reasoning and mastering conceptually challenging material.

Associate Degrees

A.A. in Environmental Literacy

The Environmental Literacy degree is designed to provide students with an interdisciplinary knowledge of environmental issues and theories focused on the humanities and social sciences (rather than the natural sciences). The program will require that participants learn (1) various historical, literary, social, psychological, economic, and philosophical dimensions and implications of environmental issues and (2) to read, write, evaluate, revise, and present their ideas with a level of clarity and cogency that will make them eligible for immediate employment.

Degree Requirements

Course Code	Course Title	Units
A minimum of 6 units from the following:		6
BIOL 305	Natural History (4)	
BIOL 350	Environmental Biology (3)	
GEOG 302	Environmental Studies & Sustainability (3)	
A minimum of 6 units from the following:		6
ECON 304	Principles of Microeconomics (3)	
ENGLT 328	Literature and The Environment (3)	
PHIL 306	Environmental Philosophy (3)	
POLS 350	Environmental Politics (3)	
A minimum of 6 units from the following:		6
BIOL 305	Natural History (4)	
BIOL 350	Environmental Biology (3)	
BIOL 360	Environmental Regulations (3)	
CHEM 320	Environmental Chemistry (4)	
GEOG 302	Environmental Studies & Sustainability (3)	
GEOG 305	Global Climate Change (3)	
ECON 304	Principles of Microeconomics (3)	
ENGLT 328	Literature and The Environment (3)	
PHIL 306	Environmental Philosophy (3)	
POLS 350	Environmental Politics (3)	
SOC 301	Social Problems (3)	
STAT 480	Introduction to Probability and Statistics - Honors (4)	
or STAT 300	Introduction to Probability and Statistics (4)	
Total Units:		**18**

The Environmental Literacy Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- possess specialized knowledge that will be applicable in fields such as environmental politics, literature, economics, philosophy, and community activism.
- demonstrate familiarity with and understanding of the major environmental positions presented in the relevant history and literature.
- identify, expose, analyze, and evaluate the interconnections between the environment and the domestic and world economies.
- identify and critically evaluate environmental conflicts in various realms and at various levels.
- write position papers in regard to environmental concerns that are clear, concise, and well constructed.
- identify, expose, analyze, and evaluate the ethical dimensions of various environmental theories and practices.
- compete for environment focused jobs in administration, law, government, design, journalism, etc.

Career Information

This degree will evidence competency in understanding and ability to work successfully with environmental problems and solutions upon graduation with the AA. Students should be able to assume administrative and research positions and other entry level, non-technical positions. For example, graduates with an associate degree in Environmental Literacy should be employable as environmental research assistants and community organizers (e.g., aiding community transition to low carbon activities). Depending on the course work selected, the course of study may lead into several social science (e.g., political science), humanities (e.g., philosophy), or environmental study bachelor degree programs. Note that most environmental study degree programs in California require natural science and math courses over and above those required for this AA. Students may find employment in policy, law, journalism, education, activism, and arts in regard to the environment. Positions such as policy adviser, energy contract negotiator, city resiliency specialist, public transportation coordinator, and environmental journalist are a sample of possible lines of work. Lastly, this program will prepare students to be active, informed participants in their communities in responding to the environmental challenges confronting us.

A.A. in Interdisciplinary Studies: Arts and Humanities

The Interdisciplinary Studies degree is designed for students who seek a greater understanding of disciplines within the arts and humanities. This program is a good choice for students planning on transferring to the California State University or the University of California. The student will be able to satisfy general education requirements and focus on transferable course work that relates to a specific major and/or individual interest.

It is highly recommended that students consult a counselor to determine the classes within each area that will best prepare them for their intended transfer major.

Degree Requirements

Course Code	Course Title	Units
A minimum of 18 units from the following:		18[1]
ARABIC 401	Elementary Arabic (5)	
ARABIC 402	Elementary Arabic (5)	
ART 300	Drawing and Composition I (3)	
ART 301	Digital Drawing and Composition (3)	
ART 302	Drawing and Composition II (3)	
ART 304	Figure Drawing I (3)	
ART 305	Figure Drawing II (3)	
ART 307	Rendering (3)	
ART 310	Pen and Ink Drawing (3)	
ART 312	Portrait Drawing (3)	
ART 320	Design: Fundamentals (3)	
ART 322	Design: Image and Content (3)	
ART 323	Design: Color Theory (3)	
ART 324	Collage and Assemblage (3)	
ART 330	Mural Painting (3)	
ART 332	Oil Painting (3)	
ART 333	Intermediate Oil Painting (3)	
ART 334	Acrylic Painting (3)	
ART 335	Acrylic Painting: Abstract (3)	
ART 336	Watercolor Painting (3)	
ART 337	Intermediate Watercolor Painting (3)	
ART 361	Printmaking: Survey (3)	
ART 362	Printmaking: Intaglio (3)	
ART 363	Printmaking: Screen Printing (3)	
ART 364	Printmaking: Relief (3)	
ART 366	Printmaking: Lithography (3)	
ART 367	Book Arts (3)	
ART 370	Three Dimensional Design (3)	
ART 372	Sculpture (3)	
ART 373	Intermediate Sculpture (3)	
ART 374	Sculpture Lab (1 - 2)	
ART 375	Figure Sculpture (3)	
ART 380	Techniques in Metal Design (3)	
ART 381	Intermediate Techniques in Metal Design (3)	
ART 384	Metal Design: Emphasis In Casting (3)	
ART 385	Metal Arts Lab (1 - 2)	
ART 390	Ceramics (3)	
ART 391	Intermediate Ceramics (3)	
ART 392	Ceramic Lab (1 - 2)	
ART 394	Wheel Thrown Ceramics, Beginning (3)	
ART 395	Wheel Thrown Ceramics, Intermediate (3)	
ART 396	Wheel Thrown Ceramics, Advanced (3)	
ART 400	Clay Sculpture (3)	
ART 404	Intermediate Clay Sculpture (3)	
ART 440	Artists' Materials and Techniques (3)	
ART 443	Art Gallery Operations (3)	
ART 445	Art Gallery Operations (3)	
ART 446	Portfolio Preparation (3)	
ART 494	Topics in Art (0.5 - 4)	
ART 495	Independent Studies in Art (1 - 3)	
ART 498	Work Experience in Art (0.5 - 4)	
ARTH 300	Art Appreciation (3)	
ARTH 304	Ancient Art (3)	
ARTH 306	Medieval Art (3)	
ARTH 307	Italian Renaissance Art (3)	
ARTH 308	Renaissance Tradition in Art (3)	
ARTH 310	Modern Art (3)	
ARTH 312	Women in Art (3)	
ARTH 313	History of Western Architecture: Prehistoric to Renaissance (3)	
ARTH 314	History of Western Architecture: Renaissance to Modern (3)	
ARTH 318	History of American Art (3)	
ARTH 320	Multicultural Art in America (3)	
ARTH 324	Art of the Americas (3)	
ARTH 325	Native American Art History (3)	
ARTH 328	Survey of African Art (3)	
ARTH 332	Asian Art (3)	
ARTH 334	International Contemporary Art (3)	
ARTH 410	Early 20th Century Art (3)	
ARTH 484	Ancient Art-Honors (3)	
ARTH 486	Medieval Art-Honors (3)	
ARTH 487	Renaissance Art-Honors (3)	
ARTH 488	Modern Art--Honors (3)	
ARTH 494	Topics in Art History (0.5 - 4)	
ARTH 495	Independent Studies in Art History (1 - 3)	
ARTH 499	Experimental Offering in Art History (0.5 - 4)	
CANT 401	Elementary Cantonese (4)	
CANT 402	Elementary Cantonese (4)	
CANT 411	Intermediate Cantonese (4)	
CANT 412	Intermediate Cantonese (4)	
COMM 305	Oral Interpretation (3)	
DEAF 310	American Sign Language I (4)	
DEAF 312	American Sign Language II (4)	
DEAF 314	American Sign Language III (4)	
DEAF 316	American Sign Language IV (4)	
ENGCW 400	Creative Writing (3)	
ENGCW 410	Fiction Writing Workshop (3)	
ENGCW 420	Poetry Writing Workshop (3)	
ENGCW 430	Creative Non-Fiction Writing Workshop (3)	
ENGLT 301	Introduction to Literature in Hip-Hop Culture (3)	

Course Code	Course Title	Units
ENGLT 303	Introduction to the Short Story (3)	
ENGLT 310	English Literature I (3)	
ENGLT 311	English Literature II (3)	
ENGLT 317	The English Bible as Literature (3)	
ENGLT 320	American Literature I (3)	
ENGLT 321	American Literature II (3)	
ENGLT 327	Literature of California (3)	
ENGLT 328	Literature and The Environment (3)	
ENGLT 331	African-American Literature (1730-1930) (3)	
ENGLT 332	African-American Literature (1930-Present) (3)	
ENGLT 334	Asian-American Literature (3)	
ENGLT 335	Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	
ENGLT 360	Women in Literature (3)	
ENGLT 365	Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370	Children and Literature (3)	
ENGLT 380	Introduction to Shakespeare (3)	
ENGLT 392	Science Fiction and Fantasy (3)	
ENGLT 400	Introduction to Film (3)	
ENGLT 401	Women in Film and Literature (3)	
ENGLT 403	Film Adaptations (3)	
ENGLT 404	Documentary Film Studies (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
ENGLT 494	Topics in Literature (3)	
ENGLT 495	Independent Studies in Literature (1 - 3)	
ENGLT 499	Experimental Offering in Literature (0.5 - 4)	
ENGWR 301	College Composition and Literature (3)	
ENGWR 303	Argumentative Writing and Critical Thinking Through Literature (4)	
FREN 401	Elementary French (4)	
FREN 402	Elementary French (4)	
FREN 411	Intermediate French (4)	
FREN 412	Intermediate French (4)	
GREEK 401	Elementary Modern Standard Greek (4)	
GREEK 402	Elementary Modern Standard Greek (4)	
HIST 300	History of Western Civilization (3)	
HIST 302	History of Western Civilization (3)	
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 309	World History in the Twentieth Century (3)	
HUM 300	Classical Humanities (3)	
HUM 310	Modern Humanities (3)	
HUM 332	American Humanities (3)	

Course Code	Course Title	Units
HUM 352	Religious Themes in Western Art, Literature and Music (3)	
ITAL 401	Elementary Italian (4)	
ITAL 402	Elementary Italian (4)	
JAPAN 401	Elementary Japanese (4)	
JAPAN 402	Elementary Japanese (4)	
JAPAN 411	Intermediate Japanese (4)	
JAPAN 412	Intermediate Japanese (4)	
KOREAN 401	Elementary Korean (4)	
KOREAN 402	Elementary Korean (4)	
MAND 401	Elementary Mandarin (4)	
MAND 402	Elementary Mandarin (4)	
MAND 411	Intermediate Mandarin (4)	
MAND 412	Intermediate Mandarin (4)	
MUFHL 305	Music Appreciation (3)	
MUFHL 309	Introduction to American Popular Music (3)	
MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 315	Jazz History (3)	
MUFHL 330	World Music (3)	
MUIVI 315	Beginning Voice (1 - 2)	
MUIVI 325	Intermediate Voice (2)	
MUIVI 330	Advanced Voice (2)	
MUIVI 345	Beginning Piano I (1 - 2)	
MUIVI 346	Beginning Piano II (1 - 2)	
MUIVI 355	Intermediate Piano I (1 - 2)	
MUIVI 356	Intermediate Piano II (1 - 2)	
MUIVI 357	Advanced Piano I (1 - 2)	
MUIVI 358	Advanced Piano II (1 - 2)	
MUIVI 371	Intermediate Guitar (2)	
MUIVI 372	Advanced Guitar (2)	
MUIVI 373	Popular Electric Bass Styles I (1)	
MUIVI 374	Popular Electric Bass Styles II (1)	
MUIVI 375	Popular Electric Guitar Styles I (1)	
MUIVI 377	Popular Electric Guitar Styles II (1)	
MUIVI 380	Improvisation Workshop I (2)	
MUIVI 381	Improvisation Workshop II (2)	
MUIVI 382	Improvisation Workshop III (2)	
MUIVI 452	World Drumming (1)	
MUIVI 454	Indian Classical Fusion Improvisation (1)	
MUP 325	Jazz Band (2)	
MUP 335	Concert Band (1)	
MUP 355	College Choir (2)	
PHIL 300	Introduction to Philosophy (3)	
PHIL 306	Environmental Philosophy (3)	
PHIL 310	Introduction to Ethics (3)	
PHIL 330	History of Classical Philosophy (3)	

Course Code	Course Title	Units
PHIL 331	History of Modern Philosophy (3)	
PHIL 338	Contemporary Philosophy (3)	
PHIL 352	Introduction to World Religions (3)	
PHIL 368	Law, Justice, and Punishment (3)	
PRSIAN 401	Elementary Persian (4)	
PRSIAN 402	Elementary Persian (4)	
PNJABI 401	Elementary Punjabi (4)	
PNJABI 402	Elementary Punjabi (4)	
RUSS 401	Elementary Russian (4)	
RUSS 402	Elementary Russian (4)	
RUSS 411	Intermediate Russian (4)	
RUSS 412	Intermediate Russian (4)	
SPAN 401	Elementary Spanish (4)	
SPAN 402	Elementary Spanish (4)	
SPAN 411	Intermediate Spanish (4)	
SPAN 412	Intermediate Spanish (4)	
TA 300	Introduction to the Theatre (3)	
TA 302	History and Theory of the Theatre I (3)	
TA 303	History and Theory of the Theatre II (3)	
TA 308	Diversity in American Theatre (3)	
TA 342	Introduction to Acting (3)	
TA 350	Theory and Techniques of Acting I (3)	
TA 351	Theory and Techniques of Acting II (3)	
TAFILM 300	Introduction to Film (3)	
TAFILM 302	History of Film (3)	
TAFILM 303	History of Film: 1880's through 1950's (3)	
TAFILM 304	History of Film: 1950's to Present (3)	
TAFILM 320	Cinema Genres (3)	
TAFILM 330	Film Making (3)	
TAFILM 360	Screenwriting (3)	
TGLG 401	Elementary Tagalog (4)	
TGLG 402	Elementary Tagalog (4)	
VIET 401	Elementary Vietnamese (4)	
VIET 402	Elementary Vietnamese (4)	
Total Units:		**18**

[1]Select courses from at least three areas.

The Interdisciplinary Studies: Arts and Humanities Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation and expression.

Career Information

Students who complete this degree pattern can find career opportunities in the growing film and entertainment industries; in education; in the design and fabrication industries, and as an independent contractor concentrating in the area of their study.

Philosophy (PHIL) Courses

PHIL 300 Introduction to Philosophy

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); AA/AS Area I; CSU Area A3; CSU Area C2; IGETC Area 3B
C-ID: C-ID PHIL 100

This course uses critical thinking techniques to analyze and evaluate the positions, arguments, and methods of different thinkers as expressed in primary texts. Typical topics include human freedom, the belief in God, the nature and limits of scientific knowledge, the basis of moral judgments, natural rights, and the nature of the State.

PHIL 306 Environmental Philosophy

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course explores historical and contemporary philosophical positions regarding our place in nature and how these positions apply to specific environmental issues. It examines what makes the natural environment valuable and the responsibilities that arise from that value. In addition, it presents theories regarding how the environment affects and is affected by our beliefs.

PHIL 310 Introduction to Ethics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID PHIL 120

This course introduces the student to classical and contemporary ethical theories and their application to a variety of contemporary moral issues such as euthanasia, animal rights, torture, and our relationship to the environment.

PHIL 320 Logic and Critical Reasoning

Units: 3
Hours: 54 hours LEC

Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A3

Logic and Critical Reasoning provides instruction and practice in effective, purposeful, and rational thinking. The student will learn to identify premises and conclusions in arguments and to identify cogent inductive arguments and valid deductive arguments. Special emphasis is placed on recognizing and overcoming perceptual and cognitive errors and biases that hinder the ability to think critically. The standards of critical thinking and logic will be discussed in terms of their historical development and their cultural impact on society.

PHIL 325 Symbolic Logic

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area A3
C-ID: C-ID PHIL 210

This course is an introduction to the nature of deductive systems of logic and their application. Students will learn to evaluate argument forms for validity and soundness. This course is recommended for students of the sciences, computer programming, mathematics, and philosophy.

PHIL 330 History of Classical Philosophy

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Eligibility for ENGWR 300
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID PHIL 130

This course is a study of the origin and development of Western philosophy from the period of the ancient Greeks and Romans. The course is recommended for all philosophy, history, and humanities majors. Credit may be earned for PHIL 330 or PHIL 480 but not for both.

PHIL 331 History of Modern Philosophy

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID PHIL 140

This course is a study of the development of Western philosophy from Descartes to Kant. It is recommended for all philosophy, history, and humanities majors. Credit may be earned for PHIL 331 or PHIL 481, but not both.

PHIL 338 Contemporary Philosophy

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B

This course addresses contributions to Western Philosophy in the 20th and 21st century. Topic examples include Existentialism, Philosophy of Mind, Philosophy of Language, Feminism, Philosophy of Science, Philosophy of Film, and Environmental Ethics.

PHIL 352 Introduction to World Religions

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B

This course is an introductory survey of selected world religions. Emphasis is on the origins, beliefs, and interpretations of philosophical concepts underlying Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam.

PHIL 368 Law, Justice, and Punishment

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area I; CSU Area C2; CSU Area D8; IGETC Area 3B

This course introduces the student to the historical, cultural, legal, and philosophical development in American culture of (1) abstract principles such as rights, justice, the nature of law, freedom of speech, equal protection of the law, and following precedent; and (2) theoretical issues such as statutory and constitutional interpretation, utilitarian and retributive theories of punishment, and justice as fairness; and (3) practices such as the exclusionary rule, plea bargaining, and the insanity defense.

PHIL 480 History of Classical Philosophy - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300; Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID PHIL 130

This course is a study of the origin and development of Western philosophy during the period of the ancient Greeks and Romans. The course is recommended for all philosophy, history, and humanities majors. This honors section uses an intensive instructional methodology designed to challenge motivated students. Credit may be earned for PHIL 330 or PHIL 480 but not for both.

PHIL 481 History of Modern Philosophy - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for the Honors program.
Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
C-ID: C-ID PHIL 140

This course is a study of the development of Western philosophy from Descartes to Kant. It is conducted in a seminar format and uses an intensive instructional methodology that is designed to challenge motivated students. Credit may be earned for PHIL 331 or PHIL 481, but not both.

PHIL 495 Independent Studies in Philosophy

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

An independent studies project involves an individual student or a small group of students who wish to study, research, and/or pursue philosophical topics beyond those covered in regularly offered courses. This course will allow students to study specific topics and gain new perspectives in the discipline. U.C. transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted toward the minimum 60 units required for admission.

PHIL 499 Experimental Offering in Philosophy

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

Themes and experimental offerings in Philosophy 11 will encompass topics from the following areas: (a) knowledge and existence, (b) self and mind, (c) philosophy and the arts, (d) norms and politics, (e) philosophy of the East and West, (f) philosophical literature and myths, (g) science and human nature, and (h) specific ideas of individual philosophies. The course may be repeated for credit providing there is no duplication of topics.

Photography

The Photography program supports both Economic and Workforce Development by offering a wide range of training in the latest technology used in professional photography and multimedia career fields. Our program aligns with industry standards along with partnering with industry leaders to develop curriculum that blends solid theoretical and applied training with both the latest camera capture techniques and associated image processing software. Departmental standards and program faculty serve as a professional resource by providing educational opportunities through degree and certification; leading to employment, career advancement, and transfer to higher education.

Degrees and Certificates Offered

A.A. in Photography

Commercial and Magazine Photography Certificate

Photography Certificate

Portrait and Wedding Photography Certificate

Dean Gary Hartley

Department Chair Paul Estabrook

Phone (916) 375-5513

Email EstabrP@scc.losrios.edu

Associate Degree

A.A. in Photography

The Photography program provides students the opportunity to prepare for entry level positions as press photographers, photojournalists, portrait photographers, freelance photographers, editorial photographers, photo-lab technicians, and positions in other career fields that utilize photography techniques. Students may also pursue transfer to a university program to further their study of photography.

Students planning to prepare for a four-year degree in Photography should consult the lower division requirements of the university to which they plan to transfer.

Recommended High School Preparation: Students should take courses in art, English, journalism, basic photography, and graphic arts.

Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies) digital print materials fees may be required. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Degree Requirements

Course Code	Course Title	Units
PHOTO 210	Photography Business (3)	3
or PHOTO 212	Marketing & Self-Promotion for Photographers (3)	
PHOTO 280	Portfolio Development I	2 -4
PHOTO 302	Beginning Digital Photography	3
PHOTO 312	Intermediate Digital Photography	3
PHOTO 350	Photojournalism (3)	3
or JOUR 360	Photojournalism (3)	
PHOTO 380	Multimedia Capture I (3)	3
or JOUR 364	Multimedia Capture I (3)	
PHOTO 400	Digital Imaging	3
PHOTO 410	Advanced Digital Imaging	3
PHOTO 370	Portraiture and Wedding Photography (3 -4)	3 - 4
or PHOTO 390	Studio Lighting Techniques (3 -4)	
Total Units:		**26 - 29**

The Photography Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe technical and aesthetic qualities of successful photographs.
- produce photographs using various camera and digital methods.
- demonstrate a thorough knowledge of current computer software and digital imaging skills as they apply to photography.
- produce photographs using photographic papers and various digital media outputs.
- describe successful working relationships with clients and subjects.
- survey history, careers, styles, and trends in professional photography.
- develop pre-production shoot and planning methods.
- execute shoot production in both the studio and on location.
- demonstrate post production technical and creative solutions.
- develop a marketing plan, materials, and support process.
- develop a small business plan and organizational structure.

Career Information

Career Opportunities include Studio Photography; Portrait & Wedding Photography; Photographic Lab Technician; Photojournalism; Industrial or Architectural Photography.

Certificates of Achievement

Commercial and Magazine Photography Certificate

The Commercial and Magazine Photography certificate prepares students for careers in a wide range of commercial photography applications including editorial (magazine), product, food, and studio photography. This concentration develops a broad set of skills that can be applied to a broad range of career fields.

Students will use strobe equipment to learn lighting techniques, work with professionals in the field, and design their own portfolios. Business strategies, self promotion, and work-flow methods will also be covered.

Recommended High School Preparation: Students should take courses in art, English, journalism, basic photography, and graphic arts.

Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies) digital print materials fees may be required. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Certificate Requirements

Course Code	Course Title	Units
PHOTO 210	Photography Business	3
PHOTO 212	Marketing & Self-Promotion for Photographers	3
PHOTO 280	Portfolio Development I	2 -4
PHOTO 281	Portfolio Development II	2 -4
PHOTO 302	Beginning Digital Photography	3
PHOTO 312	Intermediate Digital Photography	3
PHOTO 380	Multimedia Capture I (3)	3
or JOUR 364	Multimedia Capture I (3)	
PHOTO 390	Studio Lighting Techniques	3 -4
PHOTO 391	Advanced Studio Lighting Techniques	3 -4
A minimum of 6 units from the following:		6
PHOTO 266	California Coastal Photography (2)	
PHOTO 267	California Urban Photography (2)	
PHOTO 268	California Mountain Photography (2)	
PHOTO 269	California Desert Photography (2)	
PHOTO 282	Portfolio Development III (2 - 4)	
PHOTO 372	Advanced Portrait Photography (3 - 4)	
PHOTO 381	Multimedia Capture II (3)	
or JOUR 365	Multimedia Capture II (3)	
PHOTO 392	Commercial and Advertising Photography (3 - 4)	
PHOTO 400	Digital Imaging (3)	
PHOTO 402	Adobe Lightroom (3)	
PHOTO 406	High Dynamic Range Imaging “HDRI” (3)	
PHOTO 410	Advanced Digital Imaging (3)	
PHOTO 490	Assignment Photography (0.5 - 4)	
Total Units:		**31 - 37**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate advanced camera functions and techniques associated with their use.
- demonstrate a thorough knowledge of current computer software and digital imaging skills as they apply to photography.
- execute a wide range of technical and creative lighting solutions.
- develop and expand a personal style with pre-visualization conceptualization skills.
- apply shooting production skills in both the studio and on location.
- develop a small business plan and organizational structure.
- develop a marketing plan, materials, and support process.

Career Information

Career opportunities include studio assistant, studio photographer, freelance photographer, editorial photographer, lab manager

Photography Certificate

The photography certificate program is designed for students who want to enter a career path in photography or learn basic photographic skills to enhance their current vocation.

Recommended High School Preparation: Students should take courses in art, English, journalism, basic photography, graphic arts.

Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies) digital print materials fees may be required. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Certificate Requirements

Course Code	Course Title	Units
PHOTO 210	Photography Business	3
PHOTO 280	Portfolio Development I	2 -4
PHOTO 302	Beginning Digital Photography	3
PHOTO 312	Intermediate Digital Photography	3
PHOTO 380	Multimedia Capture I (3)	3
or JOUR 364	Multimedia Capture I (3)	
A minimum of 3 units from the following:		3
PHOTO 266	California Coastal Photography (2)	
PHOTO 267	California Urban Photography (2)	

Course Code	Course Title	Units
PHOTO 268	California Mountain Photography (2)	
PHOTO 269	California Desert Photography (2)	
PHOTO 350	Photojournalism (3)	
or JOUR 360	Photojournalism (3)	
PHOTO 370	Portraiture and Wedding Photography (3 - 4)	
PHOTO 390	Studio Lighting Techniques (3 - 4)	
PHOTO 400	Digital Imaging (3)	
PHOTO 402	Adobe Lightroom (3)	
PHOTO 406	High Dynamic Range Imaging “HDRI” (3)	
PHOTO 410	Advanced Digital Imaging (3)	
PHOTO 490	Assignment Photography (0.5 - 4)	
Total Units:		**17 - 19**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- produce photographs using various camera, film, and digital methods.
- demonstrate a thorough knowledge of current computer software and digital imaging skills as they apply to photography.
- produce photographs using photographic papers and various digital media outputs.
- execute a wide range of digital darkroom techniques and processes.
- develop a marketing plan, materials, and support process.
- develop a small business plan and organizational structure.

Career Information

Career opportunities include photography lab work, photography lab management, and photographer's assistant.

Portrait and Wedding Photography Certificate

The Portrait and Wedding Certificate will provide photographic skills, visual aesthetics, and small business foundations to establish a portraiture photography studio or work as a photographer or manager in a larger studio. Areas covered include personal/family portraiture and wedding and event photography. Students will learn techniques to pose and work with models and clients, use strobe equipment and available lighting techniques, work with professionals in the field, and design their own portfolios. Business strategies, self promotion, and work-flow methods will also be covered.

Recommended High School Preparation: Students should take courses in art, English, journalism, basic photography, and graphic arts.

Costs: In addition to the normal student expenses (for textbooks, personal equipment, and supplies,) digital print materials fees may be required. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

Certificate Requirements

Course Code	Course Title	Units
PHOTO 210	Photography Business	3
PHOTO 212	Marketing & Self-Promotion for Photographers	3
PHOTO 280	Portfolio Development I	2 -4
PHOTO 281	Portfolio Development II	2 -4
PHOTO 302	Beginning Digital Photography	3
PHOTO 312	Intermediate Digital Photography	3
PHOTO 370	Portraiture and Wedding Photography	3
PHOTO 380	Multimedia Capture I (3)	3
or JOUR 364	Multimedia Capture I (3)	
PHOTO 390	Studio Lighting Techniques	3 -4
A minimum of 6 units from the following:		6
PHOTO 266	California Coastal Photography (2)	
PHOTO 267	California Urban Photography (2)	
PHOTO 268	California Mountain Photography (2)	
PHOTO 269	California Desert Photography (2)	
PHOTO 282	Portfolio Development III (2 - 4)	
PHOTO 372	Advanced Portrait Photography (3 - 4)	
JOUR 365	Multimedia Capture II (3)	
or PHOTO 381	Multimedia Capture II (3)	
PHOTO 392	Commercial and Advertising Photography (3 - 4)	
PHOTO 400	Digital Imaging (3)	
PHOTO 402	Adobe Lightroom (3)	
PHOTO 406	High Dynamic Range Imaging “HDRI” (3)	
PHOTO 410	Advanced Digital Imaging (3)	
PHOTO 490	Assignment Photography (0.5 - 4)	
Total Units:		**31 - 36**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate advanced camera functions and techniques associated with their use.
- demonstrate a thorough knowledge of current computer software and digital imaging skills as these apply to photography.
- execute a wide range of technical and creative lighting solutions.
- develop and expand a personal style with pre visualization conceptualization skills.
- compare and differentiate career options, styles, and trends in professional portraiture and wedding photography.
- develop a small business plan and organizational structure.
- develop a marketing plan, materials, and support process.

- demonstrate post-production technical and creative solutions for wedding packages.

Career Information

Career opportunities include wedding or portrait photographer, studio assistant, studio photographer, freelance photographer, or lab manager.

Photography (PHOTO) Courses

PHOTO 210 Photography Business

Units: 3
Hours: 54 hours LEC
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Advisory: BUS 300 with a grade of "C" or better.

This course is designed to prepare students for starting and operating a photography business. The course introduces students to current industry business practices and local regulations for starting and operating a photography business. Topics include necessary operating permits and licenses, studio locations vs. working from home, business plan development, insurance options, taxes, pricing services, renting equipment, and negotiating photography fees. Students will take a field trip to a local Photography Business.

PHOTO 212 Marketing & Self-Promotion for Photographers

Units: 3
Hours: 54 hours LEC
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Advisory: MKT 314 with a grade of "C" or better

This course is designed to prepare students for the latest practices and strategies of marketing and self-promotion specifically for the business of photography. The course introduces students to current industry marketing concepts and the development of a personal marketing plan. Topics include marketing basics, branding, goal setting, researching clients, budgeting annual promotions, and marketing through industry organizations. Self-promotion through the Internet, email, blogging, direct mail, print advertising, and viral marketing using social networks will also be covered. Students will also develop a professional website and choose an online photo management product appropriate for their field of photography.

PHOTO 266 California Coastal Photography

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; Technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or Mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Advisory: Students must be in good health and able to hike over uneven ground in varied weather contains.

The multi-day field course provides opportunity for students to study California coastal photography emphasizing that geographic region. Destinations could include but are not limited to: Big Sur or Bodega Bay. The course includes a variety of topics in traditional and digital photography, camera formats, working on location, and pre-production planning of location photography. Students are responsible for photographic expenses and may incur additional fees for transportation, lodging, food, park fees, and more. Approximate student cost could range from $340 to $400 depending on location.

PHOTO 267 California Urban Photography

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; Technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or Mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Advisory: Students must be in good health and able to hike over uneven ground in varied weather contains.

The multi-day field course provides opportunity for students to study urban photography emphasizing that geographic region. Destinations could include but are not limited to: San Francisco or Los Angeles. The course will include a variety of topics in traditional and digital photography, camera formats, working on location, and pre-production planning of location photography. Students are responsible for all of their own photographic expenses and may incur additional fees for transportation, lodging, food, parking fees, and more. Approximate student cost could range from $340 to $400 depending on location.

PHOTO 268 California Mountain Photography

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; Technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or Mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Advisory: Students must be in good health and able to hike over uneven ground in varied weather contains.

The multi-day field course provides opportunity for students to study California Mountain photography emphasizing that geographic region. Destinations could include but are not limited to: Yosemite or Kings Canyon. The course includes a variety of topics in traditional and digital photography, camera formats, working on location, and pre-production planning of location photography. Students are responsible for all of their own photographic expenses and may incur additional fees for

transportation, lodging, food, park fees, and more. Approximate student cost could range from $340 to $400 depending on location.

PHOTO 269 California Desert Photography

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; Technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or Mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Advisory: Students must be in good health and able to hike over uneven ground in varied weather contains.

The multi-day field course provides opportunity for students to study California desert photography emphasizing that geographic region. Destinations could include but are not limited to: The Mojave or Death Valley. The course includes a variety of topics in traditional and digital photography, camera formats, working on location, and pre-production planning of location photography. Students are be responsible for all of their own photographic expenses and may incur additional fees for transportation, lodging, food, park fees, and more. Approximate student cost could range from $340 to $400 depending on location.

PHOTO 270 Panoramic and Still Image Animation

Units: 1.5
Hours: 18 hours LEC; 27 hours LAB
Prerequisite: None.

Students will learn how to shoot, assemble, and produce digital panoramic photographs for output to print, interactive presentations, and delivery to the web. Through lecture, hands-on exercises, and projects, students will create and manipulate images to construct panoramic photographs and interactive QuickTime Virtual Reality panoramas for presentation and for the web. Topics include the type of equipment, software, and techniques used to optimize images for the successful creation of panoramic photographs, object movies, interactive presentations, and Virtual Reality panoramas.

PHOTO 274 Digital Photography Basics

Units: 1.5
Hours: 18 hours LEC; 27 hours LAB
Prerequisite: None.

This is an introductory course to digital photography that covers the creative and technical use of point and shoot cameras, Digital SLR's, exposure control, basic equipment, and simple software tools to catalog, manipulate, and print images. Student printing costs could range from $30 to $50.

PHOTO 280 Portfolio Development I

Units: 2 - 4
Hours: 18 - 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.

This course is designed for students wishing to develop their portfolios both for creative and professional purposes. Individual styles, presentation methods, and forums for distribution and exhibition will be emphasized. Topics of discussion will include: developing a personal visual style, self publishing, self-promotion, marketing, displaying images on the web, and editing. The format of the course includes lectures, guest speakers from the industry, lab time, an optional field trip, and critique sessions.

PHOTO 281 Portfolio Development II

Units: 2 - 4
Hours: 18 - 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 280 and 302 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.

Portfolio Development II is designed for students to develop a secondary market career portfolio for both creative and professional purposes. Students will advance their knowledge of regional markets and outlets for their styles of photography. Students will produce a complementary but completely different style of portfolio from that produced in PHOTO 280. Individual brands, presentation methods, and forums for distribution and exhibition will be emphasized for this new portfolio. Topics of discussion include: developing a personal brand, self publishing, self-promotion, marketing, displaying images on the web, and self editing. The format of the course includes lectures, guest speakers from the industry, lab time, and critique sessions.

PHOTO 282 Portfolio Development III

Units: 2 - 4
Hours: 18 - 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 281 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.

Portfolio Development III is designed for students finishing their portfolio development for both creative and professional purposes. Students will focus on preparing their portfolios for a variety of different presentation formats. Students will meet industry representatives and receive advice about establishing a strong presence on the web, in galleries and through book publishing options for their career-style portfolios. Students are required to have a website or blog and have the ability to produce and deliver both print and email styles self-promotional materials specific to the main and secondary market portfolios. The format of the course includes lectures, guest speakers from the industry, lab time, and critique sessions.

PHOTO 299 Experimental Offering in Photography

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

PHOTO 302 Beginning Digital Photography

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Enrollment Limitation: Students must use a DSLR or mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU; UC
General Education: AA/AS Area I

This course combines an overview of the historical and contemporary themes influencing the photographic medium along with hands-on experience in digital photography. Instruction includes digital camera function, exposure control, flash photography, technical and creative control, video capture, basic computer manipulation of images, and digital output options. Students will also be introduced to the influence of photography and photographers on our culture along with an understanding of interpreting photographs and their visual literacy. The format of the class includes lectures, visual presentations, lab time, field trip, exams, and a portfolio. Students must provide their own adjustable DSLR or mirrorless cameras and necessary media and materials. Student printing cost could range from $30 to $50.

PHOTO 312 Intermediate Digital Photography

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This intermediate course combines lectures with hands-on experience in digital photography. Instruction includes advanced digital camera functions, exposure control, flash photography, technical and creative control, video capture, computer manipulation of images, digital archiving, digital output options, and digital print preparation. The format of the class includes lectures, visual presentations, lab time, a required field trip, exams, and a portfolio. Students must provide their own adjustable DSLR or mirrorless digital camera and necessary media and materials. Student printing cost could range from $30 to $50.

PHOTO 341 Aerial Photography-Remote System

Same As: FLTEC 311
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must hold a current FAA Remote Pilot-Small Unmanned Aircraft Systems certificate to participate in class.

This course will prepare and train students in the latest aerial data capture and imaging techniques used commercially with remote drone pilots. The course is designed for those already certified by the FAA (Remote Pilot - Small UAS under 14 CFR Part 107) and pursing competent skills in both navigating while simultaneously capturing and imaging destinations and activities specific to their industry. Topics include individual or team flight capture and imaging techniques, video vs. still capture compositions, effective gimbal operation and dynamic preprogramed flight capture. The course will also train students to edit and merge content for presentation in person and on the Internet. Credit may be earned for either PHOTO 341 or FLTEC 311 but not for both.

PHOTO 350 Photojournalism

Same As: JOUR 360
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Advisory: PHOTO 312; with a grade of "C" or better
Transferable: CSU
C-ID: C-ID JOUR 160

This course provides instruction in photojournalism and magazine techniques in photography. Students will study features, environmental portraits, sports, spot news, and the photo essay styles of journalistic photography. Students will also capture and use audio to complete multimedia projects. Students will photograph or capture multimedia stories for both online and print campus publications (The Express, Mainline magazine, etc.) to complete assignments for their final portfolios. The course includes lectures, visual presentations, speakers, a required field trip to The Sacramento Bee or another media outlet, and lab time. Students will provide their own adjustable camera and related materials. Credit may be earned for PHOTO 350 or JOUR 360, but not for both.

PHOTO 370 Portraiture and Wedding Photography

Units: 3 - 4
Hours: 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 312 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is designed to train students in the latest photographic techniques and trends used in portraiture and wedding photography fields. Topics include techniques in studio

and on-location lighting, posing people, appropriate use of external flash, professional practices and strategies in wedding protocol, wedding customs, and traditions. Other topics include post processing and digital presentation and retouching techniques used by professional wedding and portrait photographers. The class includes: lectures, lab time, on-location field trips, exams, a journal, and a portfolio geared toward a professional presentation.

PHOTO 372 Advanced Portrait Photography

Units: 3 - 4
Hours: 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 312 and 370 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is designed to give students an in-depth understanding of portraiture. Topics include advanced techniques of lighting and posing, working with groups and individuals on-location or in studio, use of appropriate cameras formats, professional ethics, and business strategies. Other topics include post processing and digital presentation and retouching techniques used by professional portrait photographers. The course includes lectures, lab time, field trips, exams, a journal, and a portfolio geared toward a professional presentation. Students must provide their own adjustable DSLR digital camera and necessary media and materials.

PHOTO 380 Multimedia Capture I

Same As: JOUR 364
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-shoot cameras are not allowed.
Transferable: CSU
C-ID: C-ID JOUR 120

This course is an introduction to the basic creative concepts and technical elements of capturing video, audio, and still images to create documentary style multimedia content. Students will explore the creative and technical possibilities of merging these three media and various software used to edit this material. Students will receive practical experience in capturing and editing audio, video, and still images with image editing software. Students will complete a final multimedia project and must supply at least one of the following to complete the course: a video camera or an adjustable still camera in either film or digital formats. Students will also take a field trip to The Sacramento Bee or a similar media outlet. The course includes lectures, visual presentations, and lab time. Credit may be earned for JOUR 364 or PHOTO 380, but not for both.

PHOTO 381 Multimedia Capture II

Same As: JOUR 365
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: JOUR 364 or PHOTO 380 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is designed to expand on the creative concepts and technical elements of capturing video, audio, and still images to create advanced documentary style multimedia content. Students will study advanced techniques in capturing and editing audio, video, and still images. Students will continue to advance their skills with image editing software to complete their final projects. Students must supply at least one of the following to complete the class: a video camera or an adjustable still camera in either film or digital formats. The course includes lectures, visual presentations, and lab time. Credit may be earned for JOUR 365 or PHOTO 381, but not for both.

PHOTO 390 Studio Lighting Techniques

Units: 3 - 4
Hours: 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is a study in studio lighting techniques used in commercial and editorial photography. Topics of instruction include correct exposure strobe lighting, lighting ratios, and using color correction gels for strobes. Other topics include the use of professional studio equipment, using strobe lighting on location, and studies in composition of commercial photographs. The course includes lectures, visual presentations and discussions, a field trip, lab time, exams, and a final portfolio. Students must provide their own adjustable DSLR camera and related instructional materials.

PHOTO 391 Advanced Studio Lighting Techniques

Units: 3 - 4
Hours: 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 312 and 390 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is an advanced study in studio lighting techniques used in the production of commercial and advertising photography. Topics of instruction include advanced studio and

location lighting set-ups, shooting with a specific art direction, and studies in composition and meaning of advertising photographs. Students will capture a variety of industry specific assignments including food and beverage, fashion and retail, travel and leisure, and consumers products. Commercial post-processing techniques with imaging software will also be discussed. The class includes: lectures, visual presentations and discussions, a field trip, lab time, written tests, and the development of a professional presentation portfolio. Students must provide their own adjustable DSLR camera and related instructional materials.

PHOTO 392 Commercial and Advertising Photography

Units: 3 - 4
Hours: 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 312 and 390 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is an advanced study in studio lighting techniques used in the production of commercial and advertising photography. Topics of instruction include advanced studio and location lighting set-ups, shooting with a specific art direction, and studies in composition and meaning of advertising photographs. Students will capture a variety of industry specific assignments including Food/Beverage, Fashion/Retail, Travel/Leisure, and Consumers products. Commercial post-processing techniques with imaging software will also be discussed. The class includes: lectures, visual presentations and discussions, an on-location field trip, lab time, written tests, and a portfolio geared toward a professional presentation. Students must provide their own adjustable cameras and related instructional materials.

PHOTO 393 Lighting I

Units: 3 - 4
Hours: 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is a study in lighting techniques used for both on-location and in studio photography and video capture applications. Topics of instruction include setting and correcting proper exposure for external strobes in both manual and TTL, light shaping equipment, developing lighting diagrams, calculating lighting ratios, and using color correction gels for strobes. Other topics include the use of professional studio and on-location lighting equipment, using a handheld lighting meter, basic DSLR and mirrorless video capture techniques, and studies in compositional approaches for portrait, commercial, editorial, and wedding photographers. The course includes lectures, visual presentations and project based learning assignments, a field trip, lab time, exams, and a final industry specific style portfolio. Students must provide their own adjustable DSLR or mirrorless camera and related instructional materials.

PHOTO 394 Lighting II

Units: 3 - 4
Hours: 36 hours LEC; 54 - 108 hours LAB
Prerequisite: PHOTO 390 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR or mirrorless style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is an advanced study in lighting techniques used for both on-location and in studio photography and video capture applications. Topics of instruction include advanced studio and location lighting set-ups and description of lighting characteristics, shooting with a specific art direction, and advanced studies in compositional approaches for portrait, commercial, editorial, and wedding photographers. Students will capture a variety of industry specific assignments including food and beverage, fashion and retail, travel and leisure, and consumer products dependent upon their chosen career focus. Commercial post-processing techniques with imaging software will also be emphasized in this course. The course includes lectures, visual presentations and project based learning assignments, a field trip, lab time, exams, and a final industry specific style portfolio. Students must provide their own adjustable DSLR or mirrorless camera and related instructional materials.

PHOTO 400 Digital Imaging

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This is an introductory course in digital imaging. Methods currently used in publishing will be emphasized. The course topics include Adobe Photoshop, page layout, multimedia use for electronic portfolio, use of computers, scanners, and how to develop a digital portfolio. A field trip is included in this course to learn about industry applications. Students must provide their own adjustable cameras and digital materials. Student printing cost could range from $30 to $50.

PHOTO 402 Adobe Lightroom

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.

Transferable: CSU

This course covers the fundamentals and real-world principles of digital asset management using Apples Aperture and Adobe Photoshop Lightroom computer programs. Topics include building an efficient photographic work-flow for managing, editing, and archiving digital photographs. Through lecture, hands-on exercises, quizzes, and projects, students will learn to properly manage the most time-consuming and tedious tasks professional digital photographers have to handle from capture to final output.

PHOTO 406 High Dynamic Range Imaging “HDRI”

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 302 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is designed to introduce students to the latest photographic technology known as High Dynamic Range Imaging “HDRI." HDRI offers a method and a set of techniques to capture the full range of tones in a scene that replicates the human perception more accurately then a typical exposure. Through lecture, hands-on exercises, and projects, students will capture and process images with HDRI software to produce photographs with a level of control that far exceeds conventional digital processing methods. Topics include the type of equipment, software, and techniques used to process images with this technology. This course may be taken once for credit.

PHOTO 410 Advanced Digital Imaging

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 312 with a grade of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course is an advanced study of digital imaging. Methods currently used in publishing, creative capture, and post-processing of traditional and digital media will be emphasized. The course includes lectures, optional field trip, use of computers, scanners, and a variety of output devices, preparation of a digital portfolio, and printed work. A fee is charged for digital printing.

PHOTO 415 Advanced Digital Photo Restoration and Retouching

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 312 or 400 with a grade of "C" or better; technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Transferable: CSU

This course prepares students for professional retouching and restoration of damaged photographs and also for portrait and glamour retouching. Students will learn to use computer software and hardware suited to these purposes. Students are responsible for camera and processing costs.

PHOTO 490 Assignment Photography

Units: 0.5 - 4
Hours: 5.25 - 43 hours LEC; 11 - 87 hours LAB
Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio.
Transferable: CSU

This course will introduce career-driven photography students to producing, creating, and completing real-world photography and multimedia projects for non-profit organizations and the Sacramento community. Through lecture, demonstration, client meetings, and brainstorming sessions, students will have the opportunity to develop a portfolio of completed projects. Students will also experience deadlines, the client-photographer relationship, setting pricing for projects, and strategies for presenting concepts.

PHOTO 492 Media Professional - Production Lab

Units: 1 - 4
Hours: 54 - 216 hours LAB
Prerequisite: None.
Advisory: This course is intended for advanced Graphic Communication, Photography, and Journalism students or those with similar industry experience. The students' equivalence and technical competency will be determined using the standard department procedure.
Transferable: CSU

This lab course is designed to advise and oversee all Graphic Communication, Photography, and Journalism student projects that are being prepared for publication and broadcast with partnered media outlets. Students will produce, edit, and publish a variety of multimedia content using the latest industry standards. This course will emulate real-world expectations and prepare the students in the on-the-job proficiency required of media professionals. Students may be required to work individually or on group projects in various areas, including Web graphics and design, online reporting and writing, or video and multimedia content. PHOTO 492, GCOM 492 and JOUR 492 may be taken for a total combination of up to three times for credit, for a maximum of 12 units.

PHOTO 495 Independent Studies in Photography

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Photography offers students an opportunity to do research and/or experimentation that is more typical of advanced studies in Photography.

PHOTO 498 Work Experience in Photography

Units: 1 - 4
Hours: 18 hours LEC; 300 hours LAB
Prerequisite: None.
Transferable: CSU

This course provides students with opportunities to develop marketable skills in preparation for employment or advancement within their current jobs. Course content will include application of education to the workforce; completion of required forms, which document the student's progress and hours spent at the work site; and developing workplace skills and competencies. During the course of the semester, the student is required to fulfill 18 hours of lecture and 75 hours of related paid work experience or 60 hours of unpaid work experience for one unit. An additional 75 or 60 hours of related work experience is required for each additional unit. This course may be taken up to four times for credit for a maximum of 16 units.

PHOTO 499 Experimental Offering in Photography

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is a specialized course developed in cooperation with industry to address new and emerging technological and occupational training needs. This course may be repeated for credit provided there is no duplication of topics.

Physical Therapist Assistant

Physical therapist assistants (PTAs) are licensed health care providers who provide physical therapy services under the supervision of a physical therapist.

Physical therapist assistants treat patients with movement, strength, and coordination disorders in order to improve function, decrease pain, and increase independence. The scope of practice may include:

- Administration of physical modalities
- Therapeutic exercise
- Ambulation training
- Assisting/instructing patients with transfers and functional activities

Physical therapist assistants:

- Must recognize common medical disorders
- Must be able to assess whether patients are progressing appropriately with the treatment plan determined by the supervising physical therapist
- Work closely with other allied health team members
- Are currently in demand in the health care system and physical therapist assistant is listed as one of the ten fastest growing occupations by the US Department of Labor Bureau of Labor Statistics

Degrees Offered

A.S. in Physical Therapist Assistant

Interim Dean Dr. R.M. Giordano
Program Coordinator David Doron
Phone (916) 558-2271
Email scc-pta@scc.losrios.edu

Associate Degree

A.S. in Physical Therapist Assistant

The Physical Therapist Assistant (PTA) program is at the Associate in Science Degree level, which requires completion of the required program plus general education requirements. These include prerequisite courses (14.5 units), PTA courses (36.5 units), Allied Health courses (3 units), and specific general education courses required for the program (9 units). Students must also take additional courses to meet graduation requirements of the college (10-19 units). PTA and Allied Health courses are offered Monday through Thursday in the evening and are scheduled sequentially for four semesters and one summer session. Supervised clinical experiences are integrated throughout the program. Introduction to Clinical Practice (PTA 122) is a 3-week full-time clinical practicum during the summer session. Clinical Practicum I and II (PTA 142 and 152) are each full-time 6-week clinical experiences at the end of fall and spring semesters of the second year. Clinical sites are located throughout the greater Sacramento and Northern California region.

Recommended Preparation:

High school college preparatory courses including algebra, biology, chemistry, and physiology are recommended. Volunteer work or observational experience in a physical therapy facility is recommended in order to assist students in making a career decision. Medical Language (AH 311) is advised prior to enrollment in the program.

Additional Information:

Informational meetings are held several times each semester and provide prospective students with information on program prerequisites, enrollment processes, and other facts about the program and the field of physical therapy. Current information on program policies and procedures, clinical sites, and data on graduation rates, licensure, and employment may be obtained through the program coordinator. Call (916) 558-2298 or visit the PTA program website at http://www.scc.losrios.edu/pta for more information.

Licensure:

Graduates of this program are eligible for the National Physical Therapist Assistant Examination and the California Physical Therapy Laws and Regulations Exam. After successful completion of the examinations and all requirements of the Physical Therapy Board of California, graduates may be licensed to work as physical therapist assistants in California.

Cost of the Program:

The cost of the program includes enrollment fees, which are subject to change. Other estimated costs include: books and supplies $1200.00; physical examination, immunizations, drug screen, background check, and other clinical requirements $500.00; malpractice insurance $30.00; uniforms $50.00; and application for licensure after graduation $900.00. Students must also plan for travel costs to and from the clinical facilities, many of which are outside the Sacramento area. Some students may need to arrange for housing during full time clinical experiences.

Accreditation:

The Physical Therapist Assistant Program at Sacramento City College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703-706-3245; email: accreditation@apta.org; website: http://www.capteonline.org.

Transfer Students:

Students from other accredited PTA programs may apply to transfer to the Sacramento City College PTA program. Enrollment depends upon evidence of completion of equivalent academic and clinical course work and on space available in the program.

Degree Requirements

Course Code	Course Title	Units
Prerequisite Courses:		

Course Code	Course Title	Units
BIOL 430	Anatomy and Physiology	5
BIOL 431	Anatomy and Physiology	5
ENGWR 300	College Composition (3)	3 - 4
or ESLW 340	Advanced Composition (4)	
or ENGWR 488	Honors College Composition and Research (4)	
PTA 100	Introduction to Physical Therapist Assistant	1.5
First Year, Fall Semester:		
AH 100	Professional Ethics of Health Team Members	1
PTA 110	Kinesiology for PTA Students	3
PTA 111	Kinesiology Laboratory for PTA Students	2
First Year, Spring Semester:		
PTA 120	Beginning Procedures - Physical Therapy Modalities and Procedures	3.5
PTA 121	Disorders I - Selected Disorders Commonly Seen in Physical Therapy	3
Summer Session:		
AH 106	Communication for Allied Health Careers	2
PTA 122	Introduction to Clinical Practice	3
PTA 130	Intermediate Procedures, Physical Therapy Modalities and Procedures	1
Second Year, Fall Semester:		
PTA 140	Therapeutic Exercise - Exercise Programs, Protocols and Procedures	3
PTA 141	Disorders II - Nervous System Disorders	2
PTA 142	Clinical Practicum I	4.5
Second Year, Spring Semester:		
PTA 150	Functional Activities & Gait - Activities of Daily Living and Gait Training Techniques	3
PTA 151	Advanced Procedures-Advanced Modalities and Treatment Procedures	1
PTA 152	Clinical Practicum II	4.5
PTA 153	Professional Issues in Physical Therapy	1
General Education Courses:		
NUTRI 300	Nutrition (3)	3
or NUTRI 480	Nutrition Honors (3)	
or HEED 300	Health Science (3)	
PSYC 370	Human Development: A Life Span (3)	3
or FCS 324	Human Development: A Life Span (3)	
SOC 300	Introductory Sociology (3)	3
or SOC 480	Introductory Sociology - Honors (3)	
or ANTH 310	Cultural Anthropology (3)	
or ANTH 481	Honors Cultural Anthropology (3)	
Total Units:		**61 - 62**

The Physical Therapist Assistant Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Enrollment in the Physical Therapist Assistant program is based on completion of prerequisite courses. Grades of "C" or better and a minimum cumulative GPA of 3.0 are required in the prerequisite courses. Credit earned for courses taken as Pass/No Pass will be calculated into the GPA as "C" grades. Applicants must submit applications online and official transcripts to the Office of Admissions & Records. Approximately 30 students are enrolled in the program annually. Prerequisite courses include:
- PTA 100 (Introduction to Physical Therapist Assistant) with a grade of "C" or better
- BIOL 430 and 431 (Anatomy and Physiology), or equivalent courses, with grades of "C" or better within 10 years. If students have completed all other prerequisites, but have BIOL 431 (or equivalent) in progress at the time of application, they will be considered eligible, pending receipt of final grade report.
- ENGWR 300 (College Composition) or ENGWR 488 (Honors College Composition and Research) or ESLW 340 (Advanced Composition) with a grade of "C" or better

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Students apply for enrollment to the Physical Therapist Assistant program during each spring semester for entry in the following fall semester. Students wishing to apply for enrollment must submit an online application to the PTA program during the application period. The application form and the dates of the application period can be accessed via the PTA program website at http://www.scc.losrios.edu/pta.
- In the event there are more applicants than spaces available, students who meet the enrollment eligibility requirements will be entered into a random selection pool.
- Students accepted for enrollment in the Physical Therapist Assistant program will be required to provide documentation of a) capability to perform essential job-related functions of a physical therapist assistant; b) completed physical examination and immunizations; c) TB test; d) current professional level CPR certification; e) first aid certification, f) blood-borne pathogen certification, and g) HIPAA training certification. Prior to assignment to a clinical experience, students will be required to undergo a criminal background check and an 8-panel drug screen test.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- perform the duties of a physical therapist assistant in a safe manner that minimizes risk to patients, self, and others.
- demonstrate professional behavior.
- practice under the supervision of a physical therapist in a manner consistent with legal standards, ethical guidelines, and standards of the profession.
- perform interventions of therapeutic exercise, therapeutic techniques, physical agents, mechanical modalities, electrotherapeutic modalities, and functional training in a competent manner consistent with the plan of care established by the physical therapist.
- gather data effectively to measure and report patient response to treatment.
- demonstrate clinical problem-solving skills.
- demonstrate effective verbal and non-verbal communication with patients, family, staff, other health care providers, and members of the community.
- adapt delivery of care with recognition and respect for individual differences within the plan of care established by the physical therapist.
- produce quality documentation in a timely manner to support the delivery of physical therapy services, and that adheres to standards of state practice acts, the practice setting, and other regulatory agencies.
- use resources effectively for the efficient delivery of physical therapy services.
- demonstrate preparation for employment in a variety of settings to meet the health care resource needs of the community.
- assess own performance and engage in self-directed learning activities to enhance clinical performance.

Career Information

This program prepares the student for employment as a physical therapist assistant. Physical therapist assistants work under the supervision of physical therapists in a wide variety of health care settings. These include hospitals, rehabilitation centers, private practices, and skilled nursing and extended care facilities. Physical therapist assistants treat clients with mobility, strength, and coordination disorders in order to improve function, decrease pain, and increase independence. Physical therapist assistants perform interventions that include therapeutic exercise, therapeutic techniques, physical agents, and mechanical and electrotherapeutic modalities. They assist patients in performing transfers, ambulation, and other types of functional activities. Physical therapist assistants collect and document data in order to assess whether patients are progressing appropriately within the plan of care determined by the physical therapist.

Physical Therapist Assistant (PTA) Courses

PTA 100 Introduction to Physical Therapist Assistant

Units: 1.5
Hours: 27 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better

This course provides an introduction to the field of physical therapy and the role of the physical therapist assistant within the health care delivery system. Definitions of physical therapy, history and development of the profession, and the diverse types of clinical practice and employment settings are explored. The mission and goals of the professional organization, standards of practice, laws and regulations, and licensure requirements are introduced. Students observe examples of physical therapy practice using on-line media resources and submit a written report.

PTA 110 Kinesiology for PTA Students

Units: 3
Hours: 54 hours LEC
Prerequisite: See enrollment limitations.
Enrollment Limitation: Enrollment into the Physical Therapist Assistant Program and completion of PTA 100, BIOL 430 & 431, and ENGWR 300 (or ESLW 340) with grades of "C" or better, and a cumulative GPA of 3.0 in these courses. Completion of ENGRD 110 with a grade of "C" or better (or eligibility for ENGRD 310, as determined by the reading assessment process) for all applicants who do not have an A.A. Degree or higher.
Advisory: AH 311 and LIBR 318 with grades of "C" or better

This course involves developing and utilizing knowledge of the skeletal, articular, muscular, and nervous systems to analyze human posture and movement. Components of joint structure and function, muscle action, balance mechanisms, and sensory influence are applied to analysis of spinal and extremity motions, as well as common functional activities. Kinesiological principles are presented as they apply to the practice of physical therapy and the roles and responsibilities of the physical therapist assistant. A paper and project are required.

PTA 111 Kinesiology Laboratory for PTA Students

Units: 2
Hours: 108 hours LAB
Prerequisite: See enrollment limitations.
Corequisite: PTA 110
Enrollment Limitation: Enrollment into the Physical Therapist Assistant Program and completion of PTA 100, BIOL 430 & 431, and ENGWR 300 (or ESLW 340) with grades of "C" or better, and a cumulative GPA of 3.0 in these courses. Completion of ENGRD 110 with a grade of "C" or better (or eligibility for ENGRD 310, as determined by the reading assessment process) for all applicants who do not have an A.A. Degree or higher.

This course utilizes a problem solving approach to analysis of human movement emphasizing application of kinesiological

principles to the field of physical therapy and the role of the physical therapist assistant. Students practice procedures for performing and recording results of palpation, goniometry, tests for flexibility/muscle length, body dimensions, muscle performance, sensation, coordination, balance, and analysis of posture and gait. Physical therapy procedures such as range of motion, positioning and draping, and body mechanics are introduced. Students practice skills and activities with each other in a laboratory setting under instructor supervision. A project and class presentation are required.

PTA 120 Beginning Procedures - Physical Therapy Modalities and Procedures

Units: 3.5
Hours: 45 hours LEC; 54 hours LAB
Prerequisite: PTA 110 and 111 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program

This course introduces the theory and application of physical therapy modalities and procedures to include thermal agents, hydrotherapy, external compression, wound management, transfers and gait training, wheelchair fitting and mobility, and utilization of infection control procedures. Students develop skills in gathering data regarding vital signs, functional ability in gait and transfers, pain status, and integumentary integrity. Documentation procedures, including use of medical abbreviations and terminology, are practiced. Through laboratory activities and problem-solving with case studies, students develop skills in utilizing modalities and procedures in comprehensive implementation of the physical therapy plan of care. Class activities may include a field trip.

PTA 121 Disorders I - Selected Disorders Commonly Seen in Physical Therapy

Units: 3
Hours: 54 hours LEC
Prerequisite: PTA 110 and 111 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course is designed as an overview of musculoskeletal, cardiovascular, respiratory, renal, endocrine, immune, gastrointestinal, genital and reproductive, hematologic, hepatic and biliary, lymphatic, and integumentary disorders relevant to the practice of physical therapy. Additional topics include: infectious disease, genetic disorders, neoplasms, peripheral nerve injury, and the effect of developmental, psychosocial, and cultural factors. Etiology, signs and symptoms, prognosis, and medical/surgical interventions for disorders are surveyed. Approaches to data collection and physical therapy interventions are introduced. Emphasis is placed on utilization of knowledge of medical disorders by physical therapist assistants within the context of implementing a comprehensive plan of care.

PTA 122 Introduction to Clinical Practice

Units: 3
Hours: 18 hours LEC; 112 hours LAB
Prerequisite: PTA 120, 121, and 130 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course provides students with the initial opportunity to observe physical therapy practice and perform selected delegated responsibilities with guidance, direction, and supervision. Students complete 112 hours in an assigned clinical setting. Assignments are determined by the program faculty and may be in acute, sub-acute, outpatient, skilled nursing and rehabilitation, or other type of physical therapy practice. Seminar, individual meeting, and online discussion topics include orientation to the clinical practice setting, discussion of clinical experiences and clinical practice issues, and self-assessment of performance. The course is graded on a Pass/No Pass basis.

PTA 130 Intermediate Procedures, Physical Therapy Modalities and Procedures

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: PTA 120 and 121 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program

This course introduces theory and application of traction and electrotherapeutic modalities utilized by physical therapist assistants. Topics include the use of traction for pain relief and tissue healing, as well as electrical stimulation for pain management, muscle re-education, and tissue healing. Through case-based learning activities students integrate skills in data collection, traction, electrotherapeutic modalities, and other interventions for implementation of a comprehensive physical therapy plan of care.

PTA 140 Therapeutic Exercise - Exercise Programs, Protocols and Procedures

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PTA 122 and 130 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course presents the basic principles of therapeutic exercise and implementation of therapeutic exercise procedures in physical therapy. Approaches to improve range of motion, strength, muscular endurance, balance, coordination, and functional limitations are included. Theories of motor control and motor learning are introduced. Knowledge of kinesiology, medical disorders, and documentation is integrated as students apply therapeutic exercise principles to case-based learning activities that emphasize the role of the physical therapist assistant in implementing a comprehensive physical therapy plan of care. Class activities may include a field trip.

PTA 141 Disorders II - Nervous System Disorders

Units: 2
Hours: 36 hours LEC
Prerequisite: PTA 122 and 130 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course is designed as an overview of central and peripheral nervous system disorders relevant to the practice of physical therapy. Etiology, signs and symptoms, prognosis, and

medical/surgical interventions are surveyed. Approaches to physical therapy data collection and interventions are introduced. Emphasis is placed on utilization of knowledge of medical disorders by physical therapist assistants within the context of implementing a comprehensive plan of care.

PTA 142 Clinical Practicum I

Units: 4.5
Hours: 243 hours LAB
Prerequisite: AH 100, AH 106, PTA 140, and PTA 141 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course provides students with the opportunity to perform supervised delegated patient care responsibilities in a physical therapy clinical setting. Students complete a clinical practicum of six weeks (40 hours per week) at a facility assigned by the program faculty. The placement may be in an acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. Additionally, weekly on-line discussion board participation is required. The course is graded on a Pass/No Pass basis.

PTA 150 Functional Activities & Gait - Activities of Daily Living and Gait Training Techniques

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course presents the application of functional exercise and gait activities, with emphasis on the physical therapist assistant's role in comprehensive treatment of patients with cardiopulmonary disorders, adult or pediatric neurological disorders, and amputation. Data collection activities related to assessing cardiopulmonary status, functional abilities, gait, equipment and assistive devices, and home and community environment are included. Students practice implementation of interventions to include aerobic exercise principles, endurance training for patients with cardio-pulmonary disorders, pulmonary hygiene techniques, functional activities and gait, activities of daily living, developmental activities, management of prosthetics and orthotics, management of wheelchairs and other equipment, and client/family education.

PTA 151 Advanced Procedures-Advanced Modalities and Treatment Procedures

Units: 1
Hours: 9 hours LEC; 27 hours LAB
Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course introduces the theory and application of massage, soft tissue mobilization techniques, and biofeedback by physical therapist assistants. Through laboratory practice and case-based learning activities, students develop skills in utilizing these modalities and procedures in comprehensive implementation of the physical therapy plan of care.

PTA 152 Clinical Practicum II

Units: 4.5
Hours: 243 hours LAB
Prerequisite: PTA 150, 151, and 153 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course provides students with the opportunity to perform supervised delegated patient care in a physical therapy clinical setting. This is the final clinical assignment during the program. Students complete a clinical practicum of six weeks (40 hours per week) at a facility assigned by the program faculty. The placement may be in an acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. This assignment will be at a facility which differs from previous clinical assignments. Additionally, weekly online discussion board participation is required. The course is graded on a Pass/No Pass basis.

PTA 153 Professional Issues in Physical Therapy

Units: 1
Hours: 18 hours LEC
Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.

This course addresses professional practice issues in physical therapy to include organizational structure, budget, time management, and social responsibility. Students review and integrate information on physical therapy practice and laws and regulations in preparation for the national examination and the California jurisprudence examination.

PTA 295 Independent Studies in Physical Therapist Assistant

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among faculty and students.

PTA 299 Experimental Offering in Physical Therapist Assistant

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Physics

Physics courses include conceptual and general physics, mechanics of solids and fluids, electricity, magnetism, heat, waves, light, and related topics.

Dean Rose Giordano Ph.D.

Department Chair Douglas Copely

Phone (916) 650-2759

Email copelyd@scc.losrios.edu

Physics (PHYS) Courses

PHYS 310 Conceptual Physics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A

This course presents the physical laws that tie together the diverse phenomena of nature. This course uses a descriptive approach, with limited use of basic algebra, to increase the students' understanding of the everyday physical world.

PHYS 350 General Physics

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: High School Trigonometry or a course with equivalent Trigonometry content or MATH 335 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
C-ID: C-ID PHYS 105

This course is a non-calculus based survey of general physics. It is designed for biological science students, including those in pre-medical, pre-dental, optometry, agricultural, and forestry programs. Topics include kinematics, Newton's Laws, dynamics of rigid bodies, work and energy, momentum, rotational motion, fluids, thermodynamics, and oscillatory motion (including mechanical waves and sound).

PHYS 360 General Physics

Units: 4
Hours: 54 hours LEC; 54 hours LAB
Prerequisite: PHYS 350 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
C-ID: C-ID PHYS 110

This course is a non-calculus based survey of general physics. It is designed for biological science students, including those in premedical, pre-dental, optometry, agricultural, and forestry programs. Topics include electric charge, electric fields, AC and DC circuit theory, electromagnetism, geometric and wave optics, special relativity, atomic structure, quantum physics, and nuclear physics.

PHYS 410 Mechanics of Solids and Fluids

Units: 5
Hours: 72 hours LEC; 54 hours LAB
Prerequisite: MATH 400 with a grade of "C" or better
Corequisite: MATH 401
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
C-ID: C-ID PHYS 205; Part of C-ID PHYS 200S

Topics covered in this class include linear and rotational motion, Newton's laws, dynamics of rigid bodies, harmonic motion, and fluid statics. This course is for physics, mathematics, chemistry, architecture, and engineering majors. Eighteen (18) hours of the lecture are devoted to discussion sessions.

PHYS 420 Electricity and Magnetism

Units: 5
Hours: 72 hours LEC; 54 hours LAB
Prerequisite: MATH 401 and PHYS 410 with grades of "C" or better
Advisory: MATH 402
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
C-ID: C-ID PHYS 210; Part of C-ID PHYS 200S

This course presents an in-depth treatment of electricity and magnetism and stresses problem-solving. Topics covered include charge and electric force, electric fields, electrical potential, magnetism, electromagnetic induction, and DC and AC circuit theory. This course is for physics, mathematics, chemistry, architecture, engineering, and computer science majors. Eighteen (18) hours of the lecture are devoted to discussion sessions.

PHYS 430 Heat, Waves, Light and Modern Physics

Units: 5
Hours: 72 hours LEC; 54 hours LAB
Prerequisite: MATH 401 and PHYS 410 with grades of "C" or better
Advisory: MATH 402
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
C-ID: C-ID PHYS 215; Part of C-ID PHYS 200S

This course examines thermodynamics, wave theory, light and sound, geometrical and physical optics (including lenses and mirrors), quantum physics, and high-energy physics. The treatment of topics would be most appropriate for physics, mathematics, chemistry, architecture, and engineering majors. Eighteen (18) hours of the lecture are devoted to discussion sessions.

PHYS 494 Topics in Physics

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.

Transferable: CSU; UC

This course is designed to enable both science and non-science students to learn about recent developments in physics. Selected topics would not include those that are part of current course offerings. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

PHYS 495 Independent Studies in Physics

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course is designed to allow a student or group of students to study selected topics or areas of physics that go beyond the other courses offered by the Physics department. Topics or areas of study are chosen by mutual agreement between the students and the professor overseeing the course.
UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admission to UC.

PHYS 499 Experimental Offering in Physics

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Political Science

Sacramento City College offers a unique political science experience that combines both the science and arts of politics that can only be fully appreciated in the heart of California's capital. Faculty provide a strong orientation to the world of politics by blending theory and real-world activities, which students will value throughout their academic and professional careers.

Degrees Offered

A.A.-T. in Political Science

A.A. in Political Science

Dean Dennis Lee

Department Chair Dominic Cerri

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.A.-T. in Political Science

This program is designed to provide a clearly articulated curricular track for Sacramento City College students preparing for seamless transfer in Political Science at the California State University while also serving the diverse needs of students interested in the breadth and depth of the field. This program will expose students to some of the principles and techniques of political science and help students build a foundation for their personal, academic, or professional interests.

Sacramento City College offers a unique political science experience that combines both the science and art of politics that can only be appreciated in the heart of California's capital. Faculty provide a strong orientation to the world of politics by blending theory and real-world activities, which students will value throughout their academic and professional careers.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
POLS 301	Introduction to Government: United States (3)	3
or POLS 481	Introduction to Government: United States - Honors (3)	
POLS 302	Comparative Politics	3
POLS 310	Introduction to International Relations (3)	3
or POLS 480	Introduction to International Relations - Honors (3)	
POLS 320	Introduction to Political Theory	3
A minimum of 6 units from the following:		6
COMM 335	Conflict Management (3)	
ECON 302	Principles of Macroeconomics (3)	
HIST 484	History of the United States - Honors (3)	
or HIST 311	History of the United States (1865 - Present) (3)	
PHIL 368	Law, Justice, and Punishment (3)	
POLS 303	Contemporary Politics of Africa (3)	
POLS 304	Introduction to Government: California (3)	
POLS 312	Politics of the Middle East (3)	
POLS 313	Latin America (3)	
POLS 322	Political Ideologies (3)	
POLS 340	Women in Politics (3)	
SOC 345	Global Women's Issues (3)	
or WGS 302	Global Women's Issues (3)	
Total Units:		**18**

The Associate in Arts in Political Science for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of the fundamentals of political science and governance.
- examine and apply theories, concepts, and practices in political theory.
- demonstrate a knowledge of contemporary systems and governments.
- analyze world politics and diplomacy in the international system.
- analyze, investigate, and compare ideological approaches to governmental systems.
- demonstrate knowledge of practical applications and evaluations of policy outcomes in a civic culture.
- analyze political theory and concepts using critical thinking skills.

- research specific topics of discussion in local, state, national, and international politics.
- demonstrate knowledge of basic research methods and applications.
- apply appropriate technology in the field of political science.
- demonstrate knowledge and competence in writing, analysis, and preparation of media release.

Career Information

Completion of the degree can lead to professions in the public or private sector in the areas of law, government, public relations, business, advocacy, lobbying, international relations, diplomacy, and academia.

Associate Degrees

A.A. in Political Science

Sacramento City College offers a unique political science experience that combines both the science and arts of politics that can only be fully appreciated in the heart of California's capital. Faculty provide a strong orientation to the world of politics by blending theory and real-world activities, which students will value throughout their academic and professional careers.

Degree Requirements

Course Code	Course Title	Units
A minimum of 9 units from the following:		9
POLS 301	Introduction to Government: United States (3)	
POLS 302	Comparative Politics (3)	
POLS 310	Introduction to International Relations (3)	
POLS 480	Introduction to International Relations - Honors (3)	
POLS 481	Introduction to Government: United States - Honors (3)	
A minimum of 6 units from the following:		6
POLS 304	Introduction to Government: California (3)	
POLS 320	Introduction to Political Theory (3)	
POLS 322	Political Ideologies (3)	
POLS 340	Women in Politics (3)	
POLS 497	Internship in Political Science (1 - 4)	
A minimum of 3 units from the following:		3
HIST 483	History of the United States - Honors (3)	
or HIST 310	History of the United States (To 1877) (3)	
HIST 484	History of the United States - Honors (3)	
or HIST 311	History of the United States (1865 - Present) (3)	
Total Units:		**18**

The Political Science Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of the fundamentals of political science and governance.
- examine and apply theories, concepts, and practices in political theory.
- demonstrate a knowledge of contemporary comparative systems and governments.
- analyze world politics and diplomacy in the international system.
- analyze, investigate, and compare ideological approaches to governmental systems.
- demonstrate knowledge of practical applications and evaluations of policy outcomes in civic culture.
- analyze political theory and concepts using critical thinking skills.
- research specific topics of discussion in local, state, national, and international politics.
- demonstrate knowledge of basic research methods and applications.
- apply appropriate technology in the field of political science.
- demonstrate knowledge and competence in writing, analysis, and preparation of media release.

Career Information

Completion of the degree can lead to professions in the public or private sector in the areas of law, government, public relations, business, advocacy, lobbying, international relations, diplomacy, and academia.

Political Science (POLS) Courses

POLS 301 Introduction to Government: United States

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); CSU Area U2; CSU Area U3; IGETC Area 4H
C-ID: C-ID POLS 110

In this course, students will examine principles and problems of government, the political process, and democracy as practiced in the United States. This course fulfills federal, state, and local government requirements.

POLS 302 Comparative Politics

Units: 3
Hours: 54 hours LEC

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
C-ID: C-ID POLS 130

The political systems of selected nations such as Great Britain, France, Germany, Russia, Japan, Mexico, People's Republic of China, India, South Africa, and Cuba are analyzed. The course will also compare the formation of language, culture, religion, and political institutions, and the role of political culture, political parties, and public policy.

POLS 303 Contemporary Politics of Africa

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H

Area Studies courses cover the government and politics of selected nations within a distinct geopolitical area of the world in order to provide understanding of the institutions and dynamics of the area. This Area Studies survey course is designed to give students an understanding of past and contemporary African politics. The impact of language, culture, religion, colonialism, neo colonialism, free market, ideology, liberation and revolutionary movements, ethnic conflict and resolution, rise of populist leadership, indigenous politics, impact of global economic integration, and foreign and domestic policies will be examined in the region on a country-by-country basis. The course includes an examination of dominant political institutions, actors, processes, and belief systems within the context of political culture and an analysis of area political economy and foreign policy in the environment of global interdependence. Countries to be covered include but are not limited to Algeria, Angola, Egypt, Nigeria, Namibia, Ethiopia, Kenya, Ghana, Democratic Republic of Congo, South Africa, and Zimbabwe. The course concludes with a summation of the region as it stands today and an assessment of where it is likely to go in the near future.

POLS 304 Introduction to Government: California

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(a); AA/AS Area V(b); CSU Area U3; IGETC Area 4H

This course covers the essential organization, institutions, and processes of California state and local government. The state's diversity will be a key theme in explaining California's political history, participation, and policies.

POLS 310 Introduction to International Relations

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
C-ID: C-ID POLS 140

In this course, students will examine the problems, motivating forces, and techniques of conflict resolution among actors within the global nation-state system. Particular emphasis is placed on comparing perspectives among developed and underdeveloped nations.

POLS 312 Politics of the Middle East

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D8; IGETC Area 4H

This course covers the government and politics of selected nations within the Middle East and North Africa (MENA) in order to provide an understanding of the institutions and dynamics of the area as a whole. It covers the region's political history through the Ottoman Empire, colonialism, independence, and the modern-day challenges of economic globalization and foreign intervention. The impact of economics, colonialism, struggles over natural resources, religious movements, social and cultural struggles, and ideology will be examined in the region on a country-by-country and regional basis. The course will also analyze ethnicity, ethnocentrism, and/or racism and how they shape and explain ethnic experiences. The question of Palestine and the Palestine-Israel conflict will be closely examined as a core issue in the politics of the region. The course includes an examination of dominant political institutions, actors, processes, and grassroots movements within the context of political culture and history and an analysis of area political economy and foreign policy in an environment of global interdependence. Countries to be covered include, but are not limited to, Saudi Arabia, Iran, Egypt, Palestine, Israel, Jordan, Iraq, Syria, Lebanon, Libya, Tunisia, and Algeria. In this course, students will be introduced to the comparative politics of the Middle East and North Africa with a heavy emphasis on the political and economic roots of contemporary events.

POLS 313 Latin America

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H

Area Studies courses cover the government and politics of selected nations within a distinct geopolitical area of the world in order to provide understanding of the institutions and dynamics of the area. This Area Studies survey course is designed to give students an understanding of past and contemporary Latin American politics. The impact of language, culture, religion, colonialism, neo colonialism, free market, ideology, revolutionary movements, conflict, and resolution, rise of populist leadership, indigenous politics, and foreign and

domestic policies will be examined in the region on a country-by-country basis. The course includes an examination of dominant political institutions, actors, processes, and belief systems within the context of political culture and an analysis of area political economy and foreign policy in the environment of global interdependence. Countries to be covered include but are not limited to Brazil, Mexico, Guatemala, Nicaragua, Venezuela, Peru, Bolivia, Colombia, Ecuador, Chile, Argentina, Uruguay, Cuba, Puerto Rico, Haiti, Jamaica, and the Dominican Republic. The course concludes with a summation of the region as it stands today and an assessment of where it is likely to go in the near future.

POLS 320 Introduction to Political Theory

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
C-ID: C-ID POLS 120

In this course, students will examine theoretical approaches to politics and ways of thinking about politics, covering important thinkers and topics during the ancient, medieval and modern periods.

POLS 322 Political Ideologies

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H

In this course, comparative, conceptual, and historical analysis of competing ideological approaches to government will be covered. Emphasis will be on the theories, values, and assumptions that make up a political ideology and the effect of such theories on a political system.

POLS 340 Women in Politics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4H

In this course, students will learn about current problems affecting women's political participation, particularly running for office, in the United States. Students will analyze the role and impact of cultural attitudes and traditions, self-perceptions, and political groups affecting women’s political participation in America. Students will also critique current studies of eligible women candidates and the decision to run for office, including political ambition, familial issues, political recruitment, perceptions of the electoral environment and campaign process, and gender gap to determine future goals of improving women's representation in electoral politics.

POLS 350 Environmental Politics

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

This course is an introduction to environmental political thought and politics. Students will gain a deeper understanding of the theoretical roots, including capitalism, industrialism, and liberalism, of current arguments in environmental politics and policy. Students will analyze how competing perspectives in environmental politics inform policy processes, both in the United States and globally.

POLS 480 Introduction to International Relations - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for admission to the Honors Program.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D8; IGETC Area 4H
C-ID: C-ID POLS 140

In this course students will examine the problems, motivating forces, and techniques of conflict resolution among actors within the global nation-state system. Particular emphasis is placed on comparing perspectives among developed and underdeveloped nations. This honors section uses an intensive instructional methodology with extensive research projects on international institutions designed to challenge motivated students.

POLS 481 Introduction to Government: United States - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for admission to the Honors Program.
Transferable: CSU; UC
General Education: AA/AS Area V(a); CSU Area U2; CSU Area U3; IGETC Area 4H
C-ID: C-ID POLS 110

In this course students will examine principles and problems of government, the political process, and democracy as practiced in the United States. The classes are conducted in a seminar format and requires a higher level of student academic engagement and course preparation, with at least four texts and readers. This honors section uses an intensive instructional methodology with extensive research projects on American institutions designed to challenge motivated students.

POLS 494 Topics in Political Science

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.

Transferable: CSU; UC

Content will differ each time course is offered. The objective is to focus content on topics and issues of local, national, or international significance at the time of offering course. (Credit may be earned for HIST 494 or POLS 494, but not for both.) UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

POLS 495 Independent Studies in Political Science

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered political science courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

POLS 497 Internship in Political Science

Units: 1 - 4
Hours: 60 - 300 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.
Transferable: CSU

According to Title 5, code 55252, an Internship in Political Science is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience/ Internship Instructor to best meet the students level of learning. The student will be required to attend an orientation at the beginning of the course and complete a minimum of 75 hours to a maximum of 300 hours of paid work; or a minimum of 60 hours to a maximum 240 hours of unpaid work per unit per semester. This course consists of a supervised internship and study in political, governmental, or related organizations.

POLS 499 Experimental Offering in Political Science

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Psychology

The Psychology program is designed to serve the needs of a wide variety of Sacramento City College students who are pursuing study in the field of psychology. The primary aim of this program is to provide a clearly articulated and comprehensive curricular track for students preparing to transfer to baccalaureate programs in psychology. An additional specific aim of this program is to expose "undecided" students to the core principles and practices of the field in order to build a foundation for their future personal, academic, or vocational paths. Among the many options, this foundation would be appropriate for entry into a variety of paraprofessional careers and careers in related fields.

Degrees Offered

A.A.-T. in Psychology

A.A. in Psychology

Dean Dennis Lee

Department Chair Kathleen Carbary

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.A.-T. in Psychology

The Associate in Arts for Transfer degree in Psychology provides a clearly articulated curricular track for students who wish to transfer to a CSU campus, while also serving the diverse needs of students interested in the breadth and depth of the field of psychology.

Additionally, this program will expose students to the core principles and practices of the field in order to build a foundation for their future personal, academic, or vocational paths. In addition to transfer, this foundation would be appropriate for entry into a variety of paraprofessional careers and careers in related fields.

The Associate in Arts degree in Psychology for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

Degree Requirements

Course Code	Course Title	Units
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
PSYC 310	Biological Psychology	3
PSYC 335	Research Methods in Psychology	3
STAT 300	Introduction to Probability and Statistics (4)	3 - 4[1]
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
or PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
A minimum of 3 units from the following:		3[2]
PSYC 316	Cognitive Psychology (3)	
PSYC 320	Social Psychology (3)	
PSYC 370	Human Development: A Life Span (3)	
or FCS 324	Human Development: A Life Span (3)	
A minimum of 3 units from the following:		3[3]
PSYC 314	Animal Behavior and Cognition (3)	
PSYC 315	Psychopharmacology (3)	
PSYC 340	Abnormal Behavior (3)	
PSYC 356	Human Sexuality (3)	
PSYC 358	Principles of Interpersonal Relations (3)	
PSYC 360	Psychology of Women (3)	
PSYC 364	Psychology of Sexual Orientation (3)	
PSYC 367	Psychology of Minorities (3)	
PSYC 374	Psychology of Aging: Adult Development and Aging (3)	
or GERON 302	Psychology of Aging: Adult Development and Aging (3)	
PSYC 390	Psychology of Death and Dying (3)	
ADMJ 303	Substance Abuse: Effects on Body and Behavior (3)	
or PSYC 405	Substance Abuse: Effects on Body and Behavior (3)	
PSYC 410	Psychology of Creativity, Intuition and Problem Solving (3)	
Total Units:		**18 - 19**

[1]PSYC 330 is the recommended statistics course for students transferring to CSU Sacramento. All students (particularly those attending institutions other than CSU Sacramento) should consult with a counselor to determine the appropriate statistics course for their specific academic goals.

[2]PSYC 370 is recommended for students transferring to CSU Sacramento.

[3]Students can also select one of the following courses if not already used: PSYC 316, PSYC 320, PSYC 370, or FCS 324.

The Associate in Arts in Psychology for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- differentiate between scientifically derived knowledge and myth, conjecture about the topics of psychology, and demonstrate understanding of the scientific method.
- compare and contrast the major perspectives and theories in psychology.
- demonstrate knowledge of basic psychological terminology regarding behavior, cognition, and emotion and be able to express this clearly when writing or speaking about psychology.
- evaluate psychological data, interpret basic statistical measures, draw reasonable conclusions, recognize the ethical implications of these conclusions, and apply these conclusions to personal, community, and scientific problems.
- apply psychological principles to the development of interpersonal, occupational, and social skills and life-long personal growth.
- recognize the complexity of social, cultural, and international diversity and the principles of equity, justice, and inclusion in their lives.

Associate Degrees

A.A. in Psychology

This degree program is designed to serve the needs of a wide variety of Sacramento City College students who are pursuing study in the field of psychology. The primary aim of this program is to provide a clearly articulated and comprehensive curricular track for students preparing to transfer to baccalaureate programs in psychology. An additional specific aim of this program is to expose students to the core principles and practices of the field in order to build a foundation for their future personal, academic, or vocational paths. Among the many options, this foundation would be appropriate for entry into a variety of paraprofessional careers and careers in related fields.

Degree Requirements

Course Code	Course Title	Units
PSYC 300	General Principles (3)	3
or PSYC 480	Honors General Principles (3)	
PSYC 310	Biological Psychology	3
PSYC 335	Research Methods in Psychology	3
STAT 300	Introduction to Probability and Statistics (4)	3 - 4[1]
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
or PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
A minimum of 3 units from the following:		3[2]
PSYC 316	Cognitive Psychology (3)	
PSYC 320	Social Psychology (3)	
PSYC 370	Human Development: A Life Span (3)	
or FCS 324	Human Development: A Life Span (3)	
A minimum of 3 units from the following:		3[3]
PSYC 314	Animal Behavior and Cognition (3)	
PSYC 315	Psychopharmacology (3)	
PSYC 340	Abnormal Behavior (3)	
PSYC 356	Human Sexuality (3)	
PSYC 358	Principles of Interpersonal Relations (3)	
PSYC 360	Psychology of Women (3)	
PSYC 364	Psychology of Sexual Orientation (3)	
PSYC 367	Psychology of Minorities (3)	
PSYC 374	Psychology of Aging: Adult Development and Aging (3)	
or GERON 302	Psychology of Aging: Adult Development and Aging (3)	
PSYC 390	Psychology of Death and Dying (3)	
ADMJ 303	Substance Abuse: Effects on Body and Behavior (3)	
or PSYC 405	Substance Abuse: Effects on Body and Behavior (3)	
PSYC 410	Psychology of Creativity, Intuition and Problem Solving (3)	
Total Units:		**18 - 19**

[1]PSYC 330 is the recommended statistics course for students transferring to CSU Sacramento. All students (particularly those attending institutions other than CSU Sacramento) should consult with a counselor to determine the appropriate statistics course for their specific academic goals.

[2]PSYC 370 is recommended for students transferring to CSU Sacramento.

[3]Students can also select one of the following courses if not already used: PSYC 316, PSYC 320, PSYC 370, or FCS 324.

The Psychology Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- differentiate between scientifically derived knowledge and myth and conjecture about the topics of psychology and demonstrate understanding of the scientific method.

- compare and contrast the major perspectives and theories in psychology.
- demonstrate knowledge of basic psychological terminology regarding behavior, cognition, and emotion and be able to express this clearly when writing or speaking about psychology.
- evaluate psychological data, interpret basic statistical measures,draw reasonable conclusions, recognize the ethical implications of these conclusions, and apply these conclusions to personal, community, and scientific problems.
- apply psychological principles to the development of interpersonal, occupational, and social skills and life-long personal growth.
- recognize the complexity of social, cultural, and international diversity and the principles of equity, justice, and inclusion in their life.

Psychology (PSYC) Courses

PSYC 300 General Principles

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110, ENGWR 300, ENGWR 110, and/or LIBR 318 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D9; IGETC Area 4I
C-ID: C-ID PSY 110

This course is an introduction to the scientific study of human behavior and mental processes. Students will be introduced to foundation principles and current trends in the field of psychology. Concepts that are explored include methods of psychological inquiry, the biological basis of behavior, sensation, perception, states of consciousness, learning, memory, cognition, motivation, emotion, stress and health, personality, developmental psychology, psychological disorders, psychotherapy, and social psychology. This course is designed for psychology majors, behavioral and social science majors, and other students who desire a broad overview of the field.

PSYC 310 Biological Psychology

Units: 3
Hours: 54 hours LEC
Prerequisite: PSYC 300 with a grade of "C" or better
Advisory: Completion of ENGRD 310 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
C-ID: C-ID PSY 150

The primary focus of this course is on the nervous system and the connection between its structure, function, and human behavior. This course provides an in-depth examination of the anatomy of the brain, spinal cord, and peripheral nervous system, neural development, neuronal communication, and genetic influences on neural structure and function. Structural and functional interactions of the nervous system with the endocrine, digestive, and immune systems are also examined. Other topics include the nervous system's role in sensation, perception, motor activity, circadian rhythms, sleep, motivation, emotion, sex, gender, learning, memory, language, cognition, and consciousness. The neural bases of psychological disorders including addiction, depression, anxiety, and schizophrenia are also addressed.

PSYC 311 Biological Psychology Laboratory

Units: 1
Hours: 54 hours LAB
Prerequisite: PSYC 310 with grade of "C" or better or concurrent enrollment in PSYC 310.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5C

This course involves the applied study of the nervous system, focusing on its anatomy, physiology, biochemistry, and impact on behavioral and mental processes. This course will provide a foundation in the principles of the scientific method and practical experience in its application to the study of biological psychology. Specific topics include neuroanatomical organization of the nervous system with special emphasis on the brain; anatomy of neurons and glia; electrophysiology of nerves; anatomy and physiology of sensory systems; and psychophysical examination of sensorimotor processes and states of consciousness. Brain dissection procedures, microscopic analysis, interactive computer simulations, and lab experiments including electroencephalographic and electromyographic data collection will be utilized.

PSYC 314 Animal Behavior and Cognition

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU
General Education: AA/AS Area IV; CSU Area D9

This course is designed for anyone who is interested in or has ever lived with and loved animals. Those pursuing careers in psychology, biology, zoology, animal laboratory services, and veterinary technology will find this course interesting and useful. It consists of a broad survey of general topics and current research in the related fields of animal behavior, animal cognition, animal communication, interactions between human and non-human animals, and conservation biology. Topics addressed in this course include: the principles of evolution, history of the relationship between humans and non-humans, communication between humans and other animals; animals as competitors and resources, research animals and bioethics, animals as companions, animals in therapy and service, behavior of wild animals in zoos, and the future prospects for positive interactions between humans and non-human animals, especially as it relates to climate change. The course is designed to foster a better understanding of non-human animals, nurture a respect for them, and create an ethic that emphasizes a respect for all life and its threatened environments.

PSYC 315 Psychopharmacology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

Advisory: BIOL 100, PSYC 300, and PSYC 310 with grades of "C" or better.
Transferable: CSU
General Education: AA/AS Area IV

The primary focus of this course will be on psychoactive drugs and their neural, physiological, cognitive, and behavioral effects. Both recreational and psychotherapeutic drugs will be examined. Core concepts will include neuroanatomy, neuronal communication, pharmacokinetics and pharmacodynamics of drugs. These concepts will be used to understand the influence of drug action on various aspects of cognition, emotion, and behavior with specific emphasis on their role in psychological disorders and their treatment, recreational drug use, drug use disorders, addiction, learning and memory, cognitive enhancement, and dementia.

PSYC 316 Cognitive Psychology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area IV; CSU Area D9; IGETC Area 4I

Cognitive Psychology is a course designed for those interested in developing a better understanding of cognitive science. Topics include: An overview of behaviorism and other theories of learning; contemporary areas of neuroscience; sensation and perception; short-term and long-term memory; language; linguistic and cognitive development; problem solving, judgment, and creativity. Current controversies related to the proposed structure of thought in both humans and non-humans will be addressed. Upon completion of this course, students will possess an improved appreciation for the complexity of brains and the plurality of minds that emerge from their activity.

PSYC 320 Social Psychology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310, ENGWR 300, ENGWR 110, and/or LIBR 318 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D9; IGETC Area 4I
C-ID: C-ID PSY 170

This course provides students with an introduction to the scientific study of how people think about, influence, and relate to one another. Students become familiar with the major domains of social psychology and the relevance of social psychology to daily life. Topics covered include the history and perspectives of social psychology, foundational studies and current research, research methods utilized in social psychology, social cognition and perception, the power of the situation, sociocultural and biological influences on social behaviors and cognition, group processes, the effects of mass communication on social behaviors and cognition, aggression, prejudice, stereotyping and discrimination, love and attraction, altruism, conflict resolution, and the sustainable future.

PSYC 330 Introductory Statistics for the Behavioral Sciences

Units: 3
Hours: 54 hours LEC
Prerequisite: MATH 120 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2

This course focuses upon the concepts and applications of descriptive and inferential statistics in psychology and other social and behavioral sciences. Topics include: descriptive statistics; probability and sampling distributions; parametric and nonparametric statistical methods; hypothesis testing; statistical inference; correlation and regression; chi-square; t-tests; and analysis of variance procedures. Application of both hand-computation and statistical software to data in a social science context will be emphasized, in addition to the interpretation of the relevance of the statistical findings.

PSYC 335 Research Methods in Psychology

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PSYC 300 (General Principles) with a grade of "C" or better; and either PSYC 330 (Introductory Statistics for the Behavioral Sciences) or STAT 300 (Introduction to Probability and Statistics) or STAT 480 (Introduction to Probability and Statistics - Honors) with a grade of "C" or better.
Advisory: ENGWR 101 and LIBR 318 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area D9; IGETC Area 4I
C-ID: C-ID PSY 200

This course introduces students to the principles, methods, and ethics of research in the social and behavioral sciences, especially Psychology. Key areas include the design, implementation, and evaluation of experimental and non-experimental research. Hypothesis testing, APA writing style, and the application of descriptive and inferential statistical analysis will be addressed. The laboratory portion provides opportunities to gain experience with design development, data collection, analysis and interpretation, and report writing.

PSYC 340 Abnormal Behavior

Units: 3
Hours: 54 hours LEC
Prerequisite: PSYC 300 with a grade of "C" or better
Advisory: ENGRD 110 or ENGWR 300 with a grade of "C" or better, or placement through the assessment process.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D9; CSU Area E1; IGETC Area 4I
C-ID: C-ID PSY 120

In this course, students will explore the broad questions of normality and abnormality, and investigate specific mental, emotional, and behavioral difficulties. They will learn current approaches to psychological intervention including present community mental health practices. Students will consider the contribution of social, biological, psychological, and cultural

factors to the development and persistence of behavior disorders.

PSYC 352 Psychology of Peace and Conflict

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 51 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D9; IGETC Area 4I

This course will include the psychological dynamics that promote peaceful, collaborative actions among people as opposed to conflicted states that support aggressive acts of violence among people. Materials will span from acts of aggression intragroup to the larger escalation of wars between cultures. Also included will be consideration of the apparent aggressive behaviors manifested against the physical environment ranging from defacing public property to the near-destruction of the earth's ecological systems.

PSYC 355 Love and Intimacy

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU; UC

This course is an investigation of the human desire for affiliation and affection. Emphasis will be placed on types of love, levels of bonding, differences between love and relationship addiction, and ways in which individuals frustrate their desire for intimacy and/or exit from potentially intimate encounters in life.

PSYC 356 Human Sexuality

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 or ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4I
C-ID: C-ID PSY 130

This course provides a balanced scientific understanding of sexual literacy from a cultural, physiological, sociological, and psychological perspective. Students will be provided with a solid base of information about sex and their own sexuality enabling them to make healthy and responsible choices and decisions throughout their lives. Course topics include: sexual research, sexual contents (culture, history, religion), social media impact, anatomy and physiology, arousal and response, sexual infections, contraception, reproduction, gender identity, sexual orientation, child/adolescent sexual development, adult and aging sexual well-being, love and communication, coercion and treatment.

PSYC 358 Principles of Interpersonal Relations

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better.
Transferable: CSU
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area E1

This course examines the principles involved in healthy and effective interpersonal relationships. Topics include interpersonal feedback, self-disclosure, the role of emotions in relationships, the art of listening, and common stresses/strains on relationships. The focus of the course will be on concepts useful to the students in their face-to-face relationships at home, school, and work.

PSYC 360 Psychology of Women

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D; CSU Area E1; IGETC Area 4I

In this course, students will study the impact of sex and gender on women's lives. An emphasis is placed on the interplay between gender and race, ethnicity, class, age, sexual orientation, and physical and mental ability. The course addresses a variety of topics including gender stereotypes and their connections to sexism, gender roles and expectations, biological bases of sex, gender throughout the lifespan, the physical and mental health of women, women and work, and violence against women. The course also emphasizes the importance of critically evaluating theory and research on sex and gender.

PSYC 364 Psychology of Sexual Orientation

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

In this course, students will examine topics and research related to lesbian, gay, and bisexual, transgender, queer, and intersex (LGBTQI) individuals. Topics will include causes of sexual orientation, causes of intersex conditions and transgender identities, theories of identity development, coming out, prejudice and discrimination against LGBTQI individuals, sexual orientation and gender identity across the lifespan, LGBTQI relationships, sexuality, religion and spirituality, and physical and mental health issues. In this course, students will also examine the intersection of gender identity and sexual orientation with other identity characteristics, such as race, ethnicity, age, ability status, and culture. This course will draw from a variety of political, cultural, sociological, philosophical, and psychological perspectives in order to fully understand the influence of sexual orientation and gender identity on our lives.

PSYC 367 Psychology of Minorities

Units: 3
Hours: 54 hours LEC

Prerequisite: None.
Advisory: ENGWR 300 or ENGRD 310 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4I

Students will study the individual and collective impact of minority group status in the United States on an individual's and group's behaviors and mental processes. The psychological issues, concerns, needs, and values of minority individuals in the United States are also studied. In this course, the study of minority individuals includes those who are diverse by race, ethnicity, gender, sexual orientation, socioeconomic class, weight, religion, age, and physical, cognitive, emotional, or developmental ability. The cognitive and emotional aspects of prejudice as they relate to institutional and individual discrimination are also explored. This course is useful for students majoring in psychology, sociology, education, ethnic studies, and the helping/allied professions.

PSYC 370 Human Development: A Life Span

Same As: FCS 324
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4
C-ID: C-ID PSY 180

Students will study the physical, cognitive, social, and emotional development of humans from conception through the life span. Emphasis will be placed on the theoretical and practical application of developmental principles including atypical aspects of development. Major developmental theories concerning life span development will be studied. Topics from conception to death will be presented including: conception, prenatal development, including prenatal developmental complications, physical, cognitive, social, emotional developmental, and developmental issues. Included in these broad developmental areas are learning, brain development, personality, morality, and societal influences on development. Atypical development and challenges to optimal development will be included. The course also examines end of life issues and bereavement. This is a foundational course for careers in the educational, social, psychological, and medical fields. Students may receive credit for FCS 324 or PSYC 370, but not both.

PSYC 374 Psychology of Aging: Adult Development and Aging

Same As: GERON 302
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101, OR ESLR 340 and ESLW 340 and ESL 114, and FCS 324/PSYC 370, and LIBR 318 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(b); CSU Area D; CSU Area E1; IGETC Area 4I

This course examines the physical, psychological, social, and emotional aspects of the aging process including the interactions between the elderly and the rest of society. Topics include an analysis of stereotypes, social connections, environmental influences, sexuality, physical health, mental health, death, and bereavement. Credit may be earned for either PSYC 374 or GERON 302, but not both.

PSYC 390 Psychology of Death and Dying

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 51 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4I

This course is an investigation of beliefs, attitudes, anxieties, and behaviors associated with dying and death. Included will be materials relevant to suicide, life-threatening illnesses, bereavement, euthanasia, and various philosophical views on the phenomenon of death. One field trip to visit a cemetery, attend a funeral/memorial, or tour a funeral home is required.

PSYC 392 Loss and Grief

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Transferable: CSU
General Education: AA/AS Area III(b); CSU Area D9; CSU Area E1

This course will explore the causes of grief reactions and the dynamics of bereavement. Expressions of normal grief will be compared with pathological reactions, and suggested interventions for resolving grief reactions will be addressed. Techniques for the resolution of loss and coping strategies will be presented.

PSYC 405 Substance Abuse: Effects on Body and Behavior

Same As: ADMJ 303
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 300 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area III(b)

This course will educate students in drug identification, signs and symptomatology, methods of use, duration of effect, behaviors, addiction, and treatment options. The course examines historical and contemporary perspectives of substance abuse issues, epidemiologic data used to establish the prevalence, incidence, and identity of at risk groups, and trends of substances of abuse and approaches to treatment. This course is especially advised for people who are seeking or working in careers in health, law enforcement, counseling, psychology, business, social services, or teaching. Credit may be earned for either PSYC 405 or ADMJ 303, but not for both.

PSYC 410 Psychology of Creativity, Intuition and Problem Solving

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110, ENGWR 51, and PSYC 300 with grades of "C" or better, or placement through the assessment process.
Transferable: CSU
General Education: AA/AS Area III(b); CSU Area E1

This course is designed to define and encourage the creative process and how it relates to personal success and expression, problem solving, and intuition. It will feature writing, art, music, movement, creative visualization, and stress management in a supportive group atmosphere.

PSYC 412 The Heroic Journey

Units: 2
Hours: 36 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 or ENGWR 51 with grades of "C" or better
Transferable: CSU

Using ideas from Lao Tzu, Campbell, Jung, Pearson, Bolen, et al., the course will promote an understanding of the heroic journey of everyday people. The functions, processes, and totems of archetypal stations of the Tao of life such as juggler, jester, altruist, warrior, wanderer, etc. will be shared. The heroic journey will be viewed as metaphor for psychological wounding and healing, fragmentation and individuation, and joining with other sentient beings in the processes of becoming whole.

PSYC 480 Honors General Principles

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Enrollment Limitation: Eligibility for the Honors Program.
Advisory: LIBR 318 with a grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D9; IGETC Area 4I
C-ID: C-ID PSY 110

This course is an introduction to the major areas in the field of psychology. Topics to be covered include physiological processes, learning, cognition, development, personality, psychological disorders, therapy, social psychology, and research methodologies in psychology. These topics will be discussed from a variety of classical and contemporary psychological perspectives. Critical thinking and application of concepts will be an integral part of the course. There will be oral and written assignments as well as experiential activities in the course. This honors course uses an intensive pedagogical approach designed to allow motivated students to develop critical thinking skills, skills of oral and written expression, proficiency in library and Internet-based research, and creativity. Pedagogical strategies used in this course include student-led group discussion, oral and written presentations, extensive reading, exposure to theory and research in the field, and various activities and demonstrations.

PSYC 495 Independent Studies in Psychology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to agreement among college, faculty members, and students. Independent studies in psychology offers students a chance to
do research that is more typical of theoretical and applied psychology. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

PSYC 499 Experimental Offering in Psychology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Railroad Operations

The Railroad Operations program is designed for students pursuing a career as a Railroad Conductor, Engineer, or Manager of Train Operations. The Certificate of Achievement and degree program in Railroad Operations prepares students for an exciting and well-paying career. The more than five hundred companies that make up the United States Railroad industry provide the country's freight and passenger transportation service on a network of some 300,000 route-miles of track. Railroads employ a substantial workforce to service, maintain, and manage this extensive transportation network. Railroad Operations is a 19-unit, six-course program. The curriculum is approved by the Railroad Education and Training Education.

Degrees and Certificates Offered

A.S. in Railroad Operations

Railroad Operations Certificate

Dean Andrea Gaytan

Department Chair Kevin Goehring

Email goehrik@scc.losrios.edu

Associate Degree

A.S. in Railroad Operations

This program is designed for students pursuing a career as a Railroad Conductor, Engineer or Manager of Train Operations.

Recommended High School Preparation: English, mathematics, physics, electronics, mechanics, and computers.

Degree Requirements

Course Code	Course Title	Units
RAILR 100	History of Railroading	3
RAILR 102	Railroad Technical Careers	3
RAILR 120	Railroad Operations	3
RAILR 122	Railroad Safety, Quality, and Environment	3
RAILR 140	Railroad General Code of Operating Rules	4
RAILR 142	Railroad Field Operations	3
Total Units:		**19**

The Railroad Operations Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- be a high school graduate or have obtained a GED
- must have no criminal record
- must have no moving violations within the last three years
- must have no drug convictions
- must be capable of lifting 90 pounds

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- qualify for an interview for a Conductor, Engineer or Management Position.
- demonstrate the knowledge and skills appropriate for an entry level railroad position.
- demonstrate the knowledge and skills pertaining to industry history, careers, operations, safety, quality, environment, procedures, and operating rules.

Career Information

Sacramento City College's certificate of achievement and degree program in Railroad Operations prepares students for an exciting and well-paying career. The more than five hundred companies that make up the United States Railroad industry provide the country's freight and passenger transportation service on a network of some 300,000 route-miles of track. Railroads employ a substantial workforce to service, maintain, and manage this extensive transportation network. Railroad Operations is an 19-unit, six-course program. The curriculum is approved by the Railroad Education and Training Association. In addition to normal student expenses, the Railroad Operations Program requires an additional expenditure of approximately $350.00 for protective clothing, work boots, and safety equipment. Contact the Financial Aid office for possible assistance before entering the program.

Certificate of Achievement

Railroad Operations Certificate

This program is designed for students pursuing a career as a Railroad Conductor or Engineer.

Recommended High School Preparation: English, mathematics, physics, electronics, mechanics and computers.

Certificate Requirements

Course Code	Course Title	Units
RAILR 100	History of Railroading	3
RAILR 102	Railroad Technical Careers	3
RAILR 120	Railroad Operations	3
RAILR 122	Railroad Safety, Quality, and Environment	3
RAILR 140	Railroad General Code of Operating Rules	4
RAILR 142	Railroad Field Operations	3
Total Units:		**19**

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- be a high school graduate or have obtained a GED
- must have no criminal record
- must have no moving violations within the last three years
- must have no drug convictions
- must be capable of lifting 90 pounds

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- qualify for an interview for a Conductor or Engineer Position with a Class I Railroad.
- demonstrate the knowledge and skills appropriate for an entry level railroad position.
- demonstrate the knowledge and skills pertaining to industry history, careers, operations, safety, quality, environment, procedures, and operating rules.

Career Information

Sacramento City College's certificate of achievement and Degree Program in Railroad Operations prepares students for an exciting and well-paying career. The more than five hundred companies that make up the United States Railroad industry provide the country's freight and passenger transportation service on a network of some 300,000 route-miles of track. Railroads employ a substantial workforce to service, maintain, and manage this extensive transportation network. Railroad Operations is an 19-unit, six course program. The curriculum is approved by the Railroad Education and Training Association. In addition to normal student expenses, the Railroad Operations Program requires an additional expenditure of approximately $350.00 for protective clothing, work boots, and safety equipment. Contact the Financial Aid office for possible assistance before entering the program.

Railroad Operations (RAILR) Courses

RAILR 100 History of Railroading

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course covers the history and traditions of railroading and the industry's role in North American Economic Development. Upon successful completion of this course, students should be able to list and explain the significance of major events in North American Railroading. There is an alternate learning site for this class at the California State Railroad Museum. Admission may be charged to enter the California State Railroad Museum. If this causes a financial hardship, please contact your instructor.

RAILR 102 Railroad Technical Careers

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course includes information about technical careers in railroading, thereby, enabling students to choose suitable career paths. This course includes alternate learning sites that will demonstrate the relationship among technical work groups in day-to-day railroad operations. Students must provide their own transportation. Upon successful completion of this course, students should be able to describe basic technical job functions, requirements, and characteristics.

RAILR 120 Railroad Operations

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course includes information about the industry, its major assets, structures, and typical operations. Upon successful completion of this course, students should be able to define the current North American railroad industry characteristics, basic operations, components and processes, and industry structure and administrative processes.

RAILR 122 Railroad Safety, Quality, and Environment

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course covers the importance of safety quality, personal health, and environmental awareness to the railroad industry and emphasizes the basic tools and techniques for improving these conditions on the job. Upon successful completion of this course students should be able to define and explain the need for improved safety, quality, health, and environmental awareness, describe their basic principles, explain the elements of successful programs, and apply these elements to typical tasks on the job.

RAILR 140 Railroad General Code of Operating Rules

Units: 4
Hours: 72 hours LEC
Prerequisite: RAILR 120 and 122 with grades of "C" or better

This course provides instruction in the use and application of railroad rules, timetables, general orders, track bulletins, track warrants, and train orders. The students will learn their interpretation, origin, and use in the railroad industry. Students are required to pass the General Code of Operating Rules Examination and will be required to write and re-write general orders, timetables, and rules. This course provides an in-depth study of the GCOR. Upon completion of this course, the students should be able to apply the General Code of Operating Rules to safe and efficient train movement and operations. Students must pass the prerequisite courses prior to attending this course. See an instructor about special requirements.

RAILR 142 Railroad Field Operations

Units: 3
Hours: 48 hours LEC; 24 hours LAB
Prerequisite: RAILR 120, RAILR 122, and RAILR 140 with grades of "C" or better. Hold a valid General Code of Operating Rules (GCOR) certification card.

This course provides for use and application of: railroad rules, timetables, general orders, track bulletins, track warrants, and train orders. Students will apply these in the classroom and in a railroad setting. Students are required to show that they have passed the General Code of Operating Rules examination on their first day of class. Students not qualified in the rules will not be allowed to continue in the class. In addition to the lectures, students will go on a Saturday day and weekday evening field trips where they will participate in: making up trains, coupling and uncoupling cars and locomotives, hooking up air hoses, troubleshooting air brakes systems, getting on and off stationary equipment, removing and applying knuckles of cars (knuckles weigh up to 90 pounds), and lining up different types of switches. Students are required to wear lace-up boots that cover the ankle with defined heels, leather gloves, loose fitting jeans or coveralls that cover the legs and do not restrict movement, shirts with sleeves, and hearing and eye protection. Hats that provide protection from the sun and rain are recommended. Students should be prepared to work outside in all types of weather.

RAILR 144 Railroad Air Brakes

Units: 3.5
Hours: 54 hours LEC; 27 hours LAB
Prerequisite: None.
Advisory: RAILR 120 and RAILR 122 with grades of "C" or better.

This course offers an overview of the train air brake system from the rear of the engine to the flashing rear end device with a focus on the American brake valve. Emphasis is placed on Federal Railroad Administration requirements for Initial Terminal Brake Test, as well as industry Air Brake Rules on the use and application of the air brake system. The course includes inspection of the load, under carriage, air brake connections, hand brake systems, drain valves, and cut-out cocks.

RAILR 294 Topics in Railroad Operations

Units: 0.5 - 4
Hours: 8 - 72 hours LEC
Prerequisite: None.

This course is designed to give students an opportunity to study topics in Railroad Operations not included in current course offerings. This course may be taken four times for credit providing there is no duplication of topics.

RAILR 295 Independent Studies in Railroad Operations

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.

This is an independent studies course. The topics are to be arranged between the instructor and student.

RAILR 299 Experimental Offering in Railroad Operations

Units: 0.5 - 4
Prerequisite: None.

This is a specialized course developed in cooperation with industry to address emerging training needs in railroad operations. This course may be taken no more than three times for credit provided there is no duplication of topics.

Recreation

Recreation courses provide an overview of recreation, park and leisure services, as well as outdoor recreation, and new and emerging issues.

Dean Mitchell Campbell

Department Chair Connie Zuercher

Phone (916) 558-2425

Email HerrerM@scc.losrios.edu

Recreation (RECR) Courses

RECR 300 Introduction to Recreation and Leisure Services

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU

This is an overview of recreation, park, and leisure services. This is a basic course that includes the nature, scope, and significance of leisure and recreation as a social force in today's society.

There is a special emphasis placed on the role of the leader in recreational settings, both from the public and private perspectives.

RECR 310 Outdoor Recreation

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300
Transferable: CSU

This is an entry level course for recreation and similar majors. This course involves an orientation to resources for quality outdoor recreational experiences, management of people, job opportunities, trends, problems, and issues in public and private outdoor recreation agencies. It provides an introduction of philosophies and operating procedures of outdoor recreation facilities within federal, state, and local government. To further enhance the learning experience, two field trips to outdoor recreational areas will be included.

RECR 499 Experimental Offering in Recreation

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Sociology

The sociology program at Sacramento City College offers a number of classes and hands on opportunities for students to develop a sociological imagination and an applied skill set. Students are exposed to the theoretical and critical thinking framework that promotes a sophisticated understanding of social interaction and provides an excellent foundation for transfer to a four-year institution or entry into the work force. The sociology program offers related degrees in community studies and intercultural studies as well as emphases in women and gender studies, crime and justice studies, and environmental studies. The department has a shared value of social justice that underscores the program and related student opportunities. Students can gain valuable tools in direct service, research, deviance and crime, and community development that support the professional proficiency needed for jobs in the growing fields of community planning and development, education, law and law enforcement, many profit and non-profit sectors, and social work.

Degrees and Certificates Offered

A.A.-T. in Sociology

A.A. in Community Studies

A.A. in Intercultural Studies

A.A. in Sociology

Community Studies Certificate

Dean Dennis Lee

Department Chair Adrian Chevraux-Fitzhugh

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Associate Degrees for Transfer

A.A.-T. in Sociology

The sociology program at Sacramento City College offers a number of classes and hands on opportunities for students to develop a sociological imagination and an applied skill set. Students are exposed to the theoretical and critical thinking framework that promotes a sophisticated understanding of social interaction and provides an excellent foundation for transfer to a four-year institution or entry into the work force. The sociology program offers related degrees in community studies and intercultural studies as well as emphases in women and gender studies, crime and justice studies, and environmental studies. The department has a shared value of social justice that underscores the program and related student opportunities. Students can gain valuable tools in direct service, research, deviance and crime, and community development that support the professional proficiency needed for jobs in the growing fields of community planning and development, education, law and law enforcement, many profit and non-profit sectors, and social work.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
SOC 300	Introductory Sociology (3)	3
or SOC 480	Introductory Sociology - Honors (3)	
SOC 301	Social Problems (3)	3
or SOC 481	Social Problems - Honors (3)	
STAT 300	Introduction to Probability and Statistics (4)	4
or STAT 480	Introduction to Probability and Statistics - Honors (4)	
A minimum of 6 units from the following:		6
SOC 302	Introduction to Social Research Methods (3)	
SOC 310	Marriage and the Family (3)	
SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
SOC 341	Sex and Gender in the U.S. (3)	
PSYC 320	Social Psychology (3)	
A minimum of 3 units from the following:		3
SOC 305	Critical Thinking in the Social Sciences (3)	
SOC 319	Sociology of Law and Justice (3)	
SOC 335	Sociology of Aging (3)	
SOC 343	Women and Social Action (3)	
SOC 344	Sociology of Women's Health (3)	
SOC 345	Global Women's Issues (3)	
SOC 347	Women, Globalization, and Human Rights (3)	
SOC 350	Sociology of Popular Culture (3)	
SOC 375	Introduction to Community Development (3)	
SOC 380	Introduction to Social Services (3)	
SOC 382	Introduction to Casework in Social Services (3)	
SOC 385	Practicum in Sociology (1 - 4)	

Course Code	Course Title	Units
Total Units:		**19**

The Associate in Arts in Sociology for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- articulate and apply the core principles of the sociological perspective to the study of social institutions and everyday life.
- assess, analyze, and apply sociological theories and social research methods.
- examine and develop an understanding of the social construction of reality and social categories.
- evaluate the processes of social inequality, stratification and agency through a social justice lens.

Career Information

Sociologists with graduate degrees may teach at the high school, college, and graduate levels. Research sociologists may manage and execute research at the local, state, and federal levels and in both private and public sector industry. Additional careers facilitated by advanced study of sociology include public policy analysis, jurisprudence, and careers in international fields. Applied sociologists work with social service agencies and community programs developing resources for various populations, i.e. at-risk-youth, the elderly or people experiencing challenges related to poverty, substance abuse, or the justice system. Sociology majors are encouraged to participate in community activities and community service internships and often attend relevant guest lectures and public events.

Associate Degrees

A.A. in Community Studies

Community Studies is an applied sociology program that provides a foundation for students to explore the social services, community development practices, and social justice efforts to address social inequities. Sociological theory and research principles will guide critical academic exploration and development, which will be applied to a hands on practicum field experience under the supervision of faculty and professionals in the community. The A.A. degree and certificate in Community Studies will offer additional broader employment options and career advancement opportunities.

Degree Requirements

Course Code	Course Title	Units
SOC 321	Race, Ethnicity and Inequality in the United States (3)	3
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
SOC 375	Introduction to Community Development	3
Fall Semester:		
SOC 380	Introduction to Social Services	3
Spring Semester:		
SOC 382	Introduction to Casework in Social Services	3
A minimum of 3 units from the following:		3
SOC 385	Practicum in Sociology (1 - 4)	
A minimum of 6 units from the following:		6
ADMJ 304	Juvenile Delinquency (3)	
ADMJ 340	Introduction to Correctional Services (3)	
COMM 325	Intercultural Communication (3)	
PSYC 370	Human Development: A Life Span (3)	
or FCS 324	Human Development: A Life Span (3)	
PSYC 390	Psychology of Death and Dying (3)	
ADMJ 303	Substance Abuse: Effects on Body and Behavior (3)	
or PSYC 405	Substance Abuse: Effects on Body and Behavior (3)	
SOC 301	Social Problems (3)	
or SOC 481	Social Problems - Honors (3)	
SOC 310	Marriage and the Family (3)	
SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
SOC 335	Sociology of Aging (3)	
or GERON 300	Sociology of Aging (3)	
SOC 343	Women and Social Action (3)	
Total Units:		**21**

The Community Studies Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of the evolution of the social services, community development practice, and related public policy.
- identify, analyze, and help to construct strategies for social change through participation in the social justice work of an organization.
- analyze how communities attempt to overcome problems associated with inequality, cultural stigma, prejudice, and discrimination.

- analyze social service and community development organizational structures and their functions.
- identify and evaluate the various roles of a community worker.
- assess, compare, and develop core interventions and community resources.
- integrate personal sensitivity and awareness of the cultural diversity of clients, professionals, and communities.
- assess and apply knowledge of existing professional codes of ethics and laws related to the social services and community development.

Career Information

The degree and certificate in Community Studies are designed to prepare students to work in public, private, and nonprofit community service organizations such as social service, educational, correctional, mental health, community development and community health agencies, and programs. The A.A. degree may also serve as the first level of education in a career ladder leading to a BA in social work, community development, or sociology and then on to advanced study in a variety of graduate programs leading to masters and doctoral degrees.

A.A. in Intercultural Studies

The Intercultural Studies Associate in Arts degree prepares students for careers in which they will interact with people from a variety of cultural backgrounds. The Intercultural Studies major is an interdisciplinary major drawing from coursework in sociology, history, humanities, geography, anthropology, and a foreign language.

Degree Requirements

Course Code	Course Title	Units
ANTH 310	Cultural Anthropology (3)	3
or ANTH 481	Honors Cultural Anthropology (3)	
COMM 325	Intercultural Communication	3
ETHNS 300	Introduction to Ethnic Studies	3
GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes	3
A minimum of 3 units from the following:		3
HIST 307	History of World Civilizations to 1500 (3)	
HIST 308	History of World Civilizations, 1500 to Present (3)	
HIST 360	History of African Civilizations (3)	
HIST 364	Asian Civilization (3)	
HIST 365	Asian Civilization (3)	
HIST 373	History of Mexico (3)	
HIST 380	History of the Middle East (3)	
A minimum of 3 units from the following:		3
ARTH 320	Multicultural Art in America (3)	
ARTH 324	Art of the Americas (3)	
ARTH 328	Survey of African Art (3)	
ARTH 332	Asian Art (3)	
ENGLT 345	Mythologies of the World (3)	
ENGLT 346	Latin American Literature (3)	
ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors (3)	
ENGLT 481	World Literature: Seventeenth Century to Present - Honors (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
A minimum of 8 units from the following:		8[1]
ARABIC 401	Elementary Arabic (5)	
and ARABIC 402	Elementary Arabic (5)	
CANT 412	Intermediate Cantonese (4)	
or CANT 411	Intermediate Cantonese (4)	
or CANT 402	Elementary Cantonese (4)	
or CANT 401	Elementary Cantonese (4)	
DEAF 316	American Sign Language IV (4)	
or DEAF 310	American Sign Language I (4)	
or DEAF 312	American Sign Language II (4)	
or DEAF 314	American Sign Language III (4)	
FREN 412	Intermediate French (4)	
or FREN 411	Intermediate French (4)	
or FREN 402	Elementary French (4)	
or FREN 401	Elementary French (4)	
GREEK 401	Elementary Modern Standard Greek (4)	
and GREEK 402	Elementary Modern Standard Greek (4)	
ITAL 401	Elementary Italian (4)	
and ITAL 402	Elementary Italian (4)	
JAPAN 412	Intermediate Japanese (4)	
or JAPAN 411	Intermediate Japanese (4)	
or JAPAN 402	Elementary Japanese (4)	
or JAPAN 401	Elementary Japanese (4)	
KOREAN 402	Elementary Korean (4)	
and KOREAN 401	Elementary Korean (4)	
MAND 412	Intermediate Mandarin (4)	
or MAND 411	Intermediate Mandarin (4)	
or MAND 402	Elementary Mandarin (4)	

Course Code	Course Title	Units
or MAND 401	Elementary Mandarin (4)	
PRSIAN 402	Elementary Persian (4)	
and PRSIAN 401	Elementary Persian (4)	
PNJABI 401	Elementary Punjabi (4)	
and PNJABI 402	Elementary Punjabi (4)	
RUSS 402	Elementary Russian (4)	
or RUSS 401	Elementary Russian (4)	
or RUSS 411	Intermediate Russian (4)	
or RUSS 412	Intermediate Russian (4)	
SPAN 412	Intermediate Spanish (4)	
or SPAN 411	Intermediate Spanish (4)	
or SPAN 402	Elementary Spanish (4)	
or SPAN 401	Elementary Spanish (4)	
or SPAN 413	Spanish for Native Speakers I (4)	
or SPAN 415	Spanish for Native Speakers II (4)	
TGLG 402	Elementary Tagalog (4)	
and TGLG 401	Elementary Tagalog (4)	
VIET 402	Elementary Vietnamese (4)	
and VIET 401	Elementary Vietnamese (4)	
Total Units:		**26**

[1]Students must choose only one language to fulfill the 8 unit requirement.

The Intercultural Studies Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- explain the ways in which culture and knowledge interconnect with the past, present, and future of human society.
- integrate content knowledge into critical thinking skills around issues of culture, cultural variation, and intercultural interactions, conflicts and collaborations.
- demonstrate competence in intercultural communication skills essential to success in a globalized and multicultural workplace.
- demonstrate an understanding of the role of culture, geography, and history in diverse human societies and social contexts, both international and domestic.
- communicate with at least basic proficiency in a foreign language, including American Sign Language.
- demonstrate the ability to apply social science principles, humanities content knowledge, and intercultural communication skills in the workplace.

Career Information

The degree in Intercultural Studies is designed to prepare students to work in international business, international marketing, international affairs, import-export trade, teaching, social work, public relations, international law, law enforcement, and lobbying.

A.A. in Sociology

The sociology program at Sacramento City College offers a number of classes and hands on opportunities for students to develop a sociological imagination and an applied skill set. Students are exposed to the theoretical and critical thinking framework that promotes a sophisticated understanding of social interaction and provides an excellent foundation for transfer to a four-year institution or entry into the work force. The sociology program offers related degrees in community studies and intercultural studies as well as emphases in women and gender studies, crime and justice studies, and environmental studies. The department has a shared value of social justice that underscores the program and related student opportunities. Students can gain valuable tools in direct service, research, deviance and crime, and community development that support the professional proficiency needed for jobs in the growing fields of community planning and development, education, law and law enforcement, many profit and non-profit sectors, and social work.

Degree Requirements

Course Code	Course Title	Units
SOC 300	Introductory Sociology (3)	3
or SOC 480	Introductory Sociology - Honors (3)	
SOC 301	Social Problems (3)	3
or SOC 481	Social Problems - Honors (3)	
SOC 321	Race, Ethnicity and Inequality in the United States (3)	3
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
A minimum of 6 units from the following:		6
SOC 302	Introduction to Social Research Methods (3)	
SOC 305	Critical Thinking in the Social Sciences (3)	
SOC 310	Marriage and the Family (3)	
ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
or SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
SOC 341	Sex and Gender in the U.S. (3)	
A minimum of 3 units from the following:		3
Any course not used from previous list or any course from the following list.		
PSYC 320	Social Psychology (3)	
SOC 319	Sociology of Law and Justice (3)	

Course Code	Course Title	Units
GERON 300	Sociology of Aging (3)	
or SOC 335	Sociology of Aging (3)	
SOC 343	Women and Social Action (3)	
SOC 344	Sociology of Women's Health (3)	
WGS 302	Global Women's Issues (3)	
or SOC 345	Global Women's Issues (3)	
SOC 347	Women, Globalization, and Human Rights (3)	
or WGS 304	Women, Globalization, and Human Rights (3)	
SOC 350	Sociology of Popular Culture (3)	
SOC 375	Introduction to Community Development (3)	
SOC 380	Introduction to Social Services (3)	
SOC 382	Introduction to Casework in Social Services (3)	
SOC 385	Practicum in Sociology (1 - 4)	
Total Units:		**18**

The Sociology Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- articulate and apply the core principles of the sociological perspective to the study of social institutions and everyday life.
- assess, analyze, and apply sociological theories and social research methods.
- examine and develop an understanding of the social construction of reality and social categories.
- evaluate the processes of social inequality, stratification and agency through a social justice lens.

Career Information

Sociologists may teach at the high school, college, and graduate levels. Research sociologists may manage and execute research at the local, state, and federal levels and in both private and public sector industry. Additional careers facilitated by advanced study of sociology include public policy analysis, jurisprudence, and careers in international fields. Applied sociologists work with social service agencies and community programs in developing resources for various populations, e.g. at-risk-youth, the elderly, or people experiencing challenges related to poverty, substance abuse, or the justice system.

Certificate of Achievement

Community Studies Certificate

Community Studies is an applied sociology program that provides a foundation for students to explore the social services, community development practices, and social justice efforts to address social inequities. Sociological theory and research principles will guide critical academic exploration and development, which will be applied to a hands on practicum field experience under the supervision of faculty and professionals in the community. The A.A. degree and certificate in Community Studies will offer additional broader employment options and career advancement opportunities.

Certificate Requirements

Course Code	Course Title	Units
SOC 321	Race, Ethnicity and Inequality in the United States (3)	3
or SOC 482	Race, Ethnicity and Inequality in the United States - Honors (3)	
SOC 375	Introduction to Community Development	3
SOC 380	Introduction to Social Services	3
SOC 382	Introduction to Casework in Social Services	3
A minimum of 3 units from the following:		3
SOC 385	Practicum in Sociology (1 - 4)	
A minimum of 6 units from the following:		6
ADMJ 304	Juvenile Delinquency (3)	
ADMJ 340	Introduction to Correctional Services (3)	
COMM 325	Intercultural Communication (3)	
PSYC 370	Human Development: A Life Span (3)	
or FCS 324	Human Development: A Life Span (3)	
PSYC 390	Psychology of Death and Dying (3)	
ADMJ 303	Substance Abuse: Effects on Body and Behavior (3)	
or PSYC 405	Substance Abuse: Effects on Body and Behavior (3)	
SOC 301	Social Problems (3)	
or SOC 481	Social Problems - Honors (3)	
SOC 310	Marriage and the Family (3)	
SOC 318	Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349	Introduction to Crime, Deviance, and Social Control (3)	
SOC 335	Sociology of Aging (3)	
or GERON 300	Sociology of Aging (3)	
SOC 343	Women and Social Action (3)	
Total Units:		**21**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of the evolution of the social services, community development practice, and related public policy.
- identify, analyze, and help to construct strategies for social change through participation in the social justice work of an organization.
- analyze how communities attempt to overcome problems associated with inequality, cultural stigma, prejudice, and discrimination.
- analyze social service and community development organizational structures and their functions.
- identify and evaluate the various roles of a community worker.
- assess, compare, and develop core interventions and community resources.
- integrate personal sensitivity and awareness of the cultural diversity of clients, professionals, and communities.
- assess and apply knowledge of existing professional codes of ethics and laws related to the social services and community development.

Career Information

The degree and certificate in Community Studies are designed to prepare students to work in public, private, and nonprofit community service organizations such as social service, educational, correctional, mental health, community development and community health agencies, and programs. The A.A. degree may also serve as the first level of education in a career ladder leading to a BA in social work, community development, or sociology and then on to advanced study in a variety of graduate programs leading to masters and doctoral degrees.

Sociology (SOC) Courses

SOC 99 Workplace Success: A Sociological Map to Succeeding in the Workplace

Units: 3
Hours: 54 hours LEC
Prerequisite: None.

This course teaches students how to use the sociological perspective to reconceptualize the workplace and develop the interpersonal and organizational skills it requires. It is a non-transferable and non-degree applicable course designed for students in need of strategies to help them attain success in the workplace.

SOC 300 Introductory Sociology

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D0; IGETC Area 4J
C-ID: C-ID SOCI 110

This course examines the elements and experience of social life. Analysis and discussion of social structure, culture, deviant behavior, social institutions, stratification, inequality, and social change will be explored within a domestic and global framework.

SOC 301 Social Problems

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D0; IGETC Area 4J
C-ID: C-ID SOCI 115

This course examines contemporary social problems at the global, national, regional, and local level from a sociological perspective. Students will explore the social causes and consequences of problems and interventions, analyze the role of power and ideology, and evaluate proposed solutions.

SOC 302 Introduction to Social Research Methods

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) or ESLW 340, and STAT 300 with grades of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area II(b); CSU Area D0; IGETC Area 4J
C-ID: C-ID SOCI 120

This course examines theoretical and ethical principles in social science research with an applied emphasis on research design, utilization of qualitative and quantitative techniques, data coding, data cleaning and organization, descriptive and inferential analysis, and the writing of research reports. Students will be introduced to the application of statistical software for quantitative areas of course work.

SOC 305 Critical Thinking in the Social Sciences

Units: 3
Hours: 54 hours LEC
Prerequisite: ENGWR 300 with a grade of "C" or better, or the equivalent
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area II(b); CSU Area A3; IGETC Area 1B

This course examines the definitional and contextual nature of social issues. It develops a "critical thinking" approach, which integrates interdisciplinary principles and incorporates a

comparative foundation utilizing literary criticism, logic, argumentation, and persuasion to analyze and compare the framing and validity of social problems. This course specifically explores how the media and scientific community collect, interpret, and report social data. Combining critical thinking tools with the sociological perspective will help students to question the assumptions that surround social phenomena and influence human behavior.

SOC 310 Marriage and the Family

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D7; CSU Area E1; IGETC Area 4G
C-ID: C-ID SOCI 130

This course examines the social, psychological, historical, and economic factors relating to changing family, courtship, marriage, and partnership patterns. This course will include examination and analysis of social constructions of childhood, adolescence, and early, middle, and late adulthood. Exploration of changing gender roles, courtship patterns, and parenting will also be included. Emphasis will be placed on diversity of families and family forms. (Credit may be awarded for either SOC 310 or FCS 320 but not both.)

SOC 318 Introduction to Crime, Deviance, and Social Control

Same As: ADMJ 349
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: LIBR 318 and either ENGWR 300 or ESLW 340 with grades of "C" or better
Transferable: CSU; UC (Same as ADMJ 349)
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4
C-ID: C-ID SOCI 160

This course introduces various sociological perspectives regarding issues of crime, deviance, and social control. Particular attention is paid to the analysis of how laws and cultural norms shape the definition and meaning of crime and deviance. Topics covered include street crimes, corporate crimes, white-collar crimes, domestic violence, drugs and alcohol abuse, lifestyle crimes, prison systems, capital punishment, rehabilitation, and the trend towards privatization of prisons. Field trips may be required. Credit may be earned for ADMJ 349 or SOC 318 but not for both.

SOC 319 Sociology of Law and Justice

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101, or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

This course introduces various perspectives on the formation and use of law as an organizing principle of society as well as how societal forces can, in turn, influence the law. Special attention will be focused on unequal access to, uses of, and outcomes from the law and its various agencies. Topics covered include the historical perspectives of law as an institution and its processes, the enabling and constraining role of law in social movements, punishment, environmental law, torts, constitutional law, and the Patriot Act.

SOC 321 Race, Ethnicity and Inequality in the United States

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4J
C-ID: C-ID SOCI 150

This course examines patterns of ethnic relations. The course emphasis is domestic but includes investigations of global concerns. Topics include discrimination, prejudice, social stratification, inequality, racism, sexism, ageism, homophobia, and related subjects.

SOC 335 Sociology of Aging

Same As: GERON 300
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 or ESLR 340 and ESLW 340 and ESL 114; and FCS 324; and LIBR 318 with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D0; CSU Area E1; IGETC Area 4J

In this course students will examine the aging process with emphasis on social factors affecting and effected by an aging population. The course includes an analysis of demographics, history of aging in America, social conditions, resources and support systems, employment, retirement, social class, and cultural differences. Students will be encouraged to reflect on their status in the sociology of aging process. (Credit awarded for GERON 300 or SOC 335.)

SOC 341 Sex and Gender in the U.S.

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; CSU Area E1; IGETC Area 4
C-ID: C-ID SOCI 140

This course focuses on gender relations in American society. It examines historical, social, economic, political, and cultural forces in shaping gender identity and gender roles. The goal of the course is to utilize sociological theories to explain gender

experience as socially constructed rather than biologically determined. Specifically, the course examines the experience of people of diverse economic, racial, and ethnic origins within a historical and cross-cultural perspective.

SOC 343 Women and Social Action

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

This course provides an overview of the ways in which women engage in deliberative social action to change the conditions of their lives and of their communities. The work of various social activists, past and present, will be analyzed in the context of sociological theory as applied to issues related to the institutions of family, health, religion, employment, sexual harassment, housing, and interpersonal violence.

SOC 344 Sociology of Women's Health

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D; CSU Area E1; IGETC Area 4

This course provides a sociological analysis of health issues that concern women throughout their lives. The impact of physiology, psychology, culture, society, and politics upon women's well-being will be addressed using the feminist perspective.

SOC 345 Global Women's Issues

Same As: WGS 302
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

The course will consider the conditions of women’s lives from the perspectives of global and transnational feminism, examining issues such as immigration, girls’ education, maternal health, globalization, economics, war and conflict, gender-based violence, and political activism. Students will seek to understand women’s lives by connecting global data about the status of women to material consequences for individual women and local communities. Using gender as a theoretical category of analysis, the course will explore how gender inequality and oppression create disproportionate suffering and lack of opportunities for women and girls. Students will learn to ask critical questions about the complex and intersecting aspects of the oppression of women, as well as develop an understanding of the culturally situated, creative, and heroic ways women are standing up to gender oppression and shaping change within their local communities and nations. Credit may be awarded for either WGS 302 or SOC 345 but not for both.

SOC 347 Women, Globalization, and Human Rights

Same As: WGS 304
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

Through global and transnational feminist perspectives, this course provides an overview of human rights ideas and frameworks, including the history and ongoing implementation of United Nations conventions, treaties, and campaigns concerning women. The course will consider the complex and gendered social, economic, and political impacts of globalization on women and girls around the world. Students will learn to critically engage with theories, approaches, and representation related to improving the lives of women in the global context and will learn about key human rights defenders who are recognized for their activism. Students will consider their own place in a globalized world and utilize course knowledge to think about their role in creating justice in the world. Credit may be awarded for either WGS 304 or SOC 347 but not for both.

SOC 350 Sociology of Popular Culture

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D0; IGETC Area 4J

This course analyzes the historical development and emergence of American popular culture and the relationship between contemporary popular culture, social institutions, and collective behavior.

SOC 375 Introduction to Community Development

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.
Transferable: CSU
General Education: CSU Area D0

This course draws from a sociological perspective to explore social problems, community building, and the basic principles and practices of community development and social change. Students will analyze successful models of community-based problem-solving interventions and practices.

SOC 380 Introduction to Social Services

Units: 3
Hours: 54 hours LEC

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 or ESLR 340 and ESLW 340 with grades of "C" or better.
Transferable: CSU
General Education: AA/AS Area V(b)

This course provides a comprehensive overview of social services. Students will study the full range of organized activities of private, nonprofit, and public sector organizations that seek to prevent, alleviate, or contribute to the solutions of recognized social problems or to improve the well-being of individuals, groups, or communities. This is the introductory course for students interested in careers in applied sociology. This course provides a multicultural perspective and the opportunity to practice developing skills of critical analysis.

SOC 382 Introduction to Casework in Social Services

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: Completion of ENGWR 101 and ENGRD 110 or ESLR 340 and ESLW 340 with grades of "C" or better.
Transferable: CSU
General Education: AA/AS Area V(b)

This course examines the socio-cultural context of the role of the case manager in contemporary American society. Explorations of the basic concepts of human behavior, exceptional and vulnerable populations, organizational structure and resource development, and case management principles are included in the curriculum.

SOC 385 Practicum in Sociology

Units: 1 - 4
Hours: 18 hours LEC; 60 - 300 hours LAB
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Transferable: CSU
General Education: AA/AS Area V(b)

This course allows students to sociologically explore an internship work experience. Students will identify and secure an instructor-approved internship and will use the sociological perspective to analyze the organizational structures and processes of the workplace. Students will learn techniques to address common problems within social service and community-based organizations. Students will be required to fulfill 18 hours lecture (online or face-to-face formats) and 75 hours of instructor-approved paid work or 60 hours of volunteer work for one unit; the student will receive one additional unit for each segment of 75 paid hours or 60 volunteer hours of instructor-approved work.

This course may be taken four times for a maximum of 16 units as long as there are new or expanded learning opportunities on the job.

SOC 480 Introductory Sociology - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for the Honors Program
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D0; IGETC Area 4J
C-ID: C-ID SOCI 110

This course examines human behavior as it is affected by social forces. Concepts such as culture, social institutions, social stratification, social change, and social control will be analyzed from both a micro and macro-sociological perspective. This course is designed for students from all academic disciplines interested in an honors experience who are motivated to learn the sociological perspective and how it can be applied to all aspects of the human experience. The class is structured as a seminar in which students will be responsible for developing qualitative and/or quantitative analyses of controversial issues while drawing on classical and contemporary sociological theory to frame classroom activities. Students will utilize primary sources from sociological works and examine the texts and research via oral and written assignments, as well as with experiential activities and presentations. Credit may be earned for SOC 480 or SOC 300, but not both.

SOC 481 Social Problems - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for the Honors Program
Advisory: LIBR 318 and SOC 300 with grades of "C" or better; ENGWR 101 and ENGRD 110 or ESLW 340 and ESLR 340, with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4
C-ID: C-ID SOCI 115

This course examines contemporary social problems at the global, national, regional, and local level from a sociological perspective. Students will explore the social causes and consequences of problems and interventions, analyze the role of power and ideology, and evaluate proposed solutions. This honors section uses an intensive seminar style of instructional methodology with extensive research projects on social problems designed to challenge motivated students. This course is not open to students who have completed SOC 301.

SOC 482 Race, Ethnicity and Inequality in the United States - Honors

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Enrollment Limitation: Eligibility for admission to the Honors Program.
Advisory: LIBR 318 and SOC 300 with grades of "C" or better; ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340, with grades of "C" or better.
Transferable: CSU; UC
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4
C-ID: C-ID SOCI 150

This course examines patterns of ethnic relations. The course emphasis is domestic but includes investigations of global concerns. Topics include discrimination, prejudice, social stratification, inequality, racism, sexism, ageism, homophobia, and related subjects. This honors section uses an intensive seminar style of instructional methodology with extensive research projects on race and ethnicity designed to challenge

motivated students. This course is not open to students who have completed SOC 321.

SOC 494 Topics in Sociology

Units: 0.5 - 4
Hours: 9 - 72 hours LEC
Prerequisite: None.
Advisory: SOC 300 and ENGRD 310 and ENGWR 101 or ESLR 340 and ESLW 340, with grades of "C" or better.
Transferable: CSU

This course provides an examination of specific topics from a sociological perspective. The particular subject to be covered each semester will be determined by the Sociology Department and depend on topical events. Students may earn from .5-4 units. Consult the schedule of classes for specific topics. UC transfer credit will be awarded only after the course has been evaluated by enrolling at the UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

SOC 495 Independent Studies in Sociology

Units: 1 - 3
Hours: 54 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regular offered courses, pursuant to agreement among college, faculty members, and students. Independent studies in sociology offers students a chance to do research that is more typical of theoretical and applied sociology. Students may also choose to explore unique sociological topics under the direction of a sociology faculty member. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

SOC 499 Experimental Offering in Sociology

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Social Justice Studies

Social Justice Studies introduces students to the theoretical and practical foundations of social justice and the social processes that create and resist oppression.

Dean Dennis Lee

Department Chair Dominic Cerri

Phone (916) 558-2401

Email SCC-BSS@losrios.edu

Social Justice Studies (SJS) Courses

SJS 299 Experimental Offering in Social Justice Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

SJS 300 Introduction to Social Justice Studies

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better
Transferable: UC (effective Fall 2022)
General Education: AA/AS Area V(b); AA/AS Area VI

This interdisciplinary course introduces students to the theoretical and practical foundations of social justice and the social processes that create and resist oppression. It covers the sociology, history and psychology of oppressions based upon race, ethnicity, class, gender, sexuality and other group identities in the United States and the corresponding social justice movements for liberation. It investigates how creating and undoing asymmetrical power relations are linked to social structures, institutional processes and culture. Additionally, it provides a basis for a better understanding of socio-economic, political and cultural conditions of key social groups in the United States. Topics include theoretical foundations of social justice and oppression, history and politics of group identity, culture and ideologies, forms of oppression, privilege and forms of resistance.

SJS 499 Experimental Offering in Social Justice Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Student Government

Student Government courses provide an introduction to the dynamics of working groups. The program provides theory and practice in leadership, parliamentary procedure, committee techniques, and organizational behavior. The emphasis is on governmental procedures and functions as these apply to student leadership. Students can anticipate participation in the student association and related committees.

Dean Tanya Anderson

Student Leadership Advisor Deborah Knowles

Phone (916) 558-2381

Email scc-studentleadership@losrios.edu

Student Government (SGVT) Courses

SGVT 300 Introduction to Student Government

Units: 2

Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course is an introduction to the dynamics of working groups. It provides theory and practice in leadership, parliamentary procedure, committee techniques, and organizational behavior. The emphasis is on governmental procedures and functions as these apply to student leadership. Students can anticipate participation in the student association and related committees.

SGVT 499 Experimental Offering in Student Government

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU

This is the experimental courses description.

Theatre Arts

The Theatre Arts program provides students with an understanding of the overall process by which theatre is produced, including the theories and techniques of acting, directing, and playwriting, and the elements of technical theatre. It also provides an overview of the historical and social context of the theatre.

Degrees Offered

A.A.-T. in Theatre Arts

A.A. in Theatre Arts, Acting-Directing Emphasis

A.A. in Theatre Arts, Technical Production Emphasis

Dean Patti Leonard

Department Chair Luther Hanson

Phone (916) 558-2173

Email HansonL@scc.losrios.edu

Associate Degrees for Transfer

A.A.-T. in Theatre Arts

The Theatre Arts transfer degree is designed to facilitate successful transfer to baccalaureate theatre or drama degree programs. This degree provides students with lower division breadth and depth in the field of theatre arts. Additionally, this degree exposes students to the core principles and practices in the field. Students will learn the basics of acting, the basics of theatre technology and production, and where theatre fits in to both the historical and modern world of entertainment.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Degree Requirements

Course Code	Course Title	Units
TA 300	Introduction to the Theatre (3)	3
or TA 302	History and Theory of the Theatre I (3)	
TA 350	Theory and Techniques of Acting I	3
A minimum of 9 units from the following:		9
TA 351	Theory and Techniques of Acting II (3)	
TA 420	Stagecraft (3)	
TA 422	Stage Lighting (3)	
TA 423	Introduction to Scene Design for the Stage (3)	
TA 430	Costume Construction (3)	
TA 437	Stage Make-up I (3)	
A minimum of 3 units from the following:		3
TAP 300	Modern Rehearsal and Performance I (1 - 3)	
TAP 301	Modern Rehearsal and Performance II (1 - 3)	
TAP 302	Modern Rehearsal and Performance III (1 - 3)	
TAP 303	Modern Rehearsal and Performance IV (1 - 3)	
TAP 310	Modern Technical Production I (1 - 3)	
TAP 311	Modern Technical Production II (1 - 3)	
TAP 312	Modern Technical Production III (1 - 3)	
TAP 313	Modern Technical Production IV (1 - 3)	
TAP 320	Classical Rehearsal and Performance I (1 - 3)	
TAP 321	Classical Rehearsal and Performance II (1 - 3)	
TAP 322	Classical Rehearsal and Performance III (1 - 3)	
TAP 323	Classical Rehearsal and Performance IV (1 - 3)	
TAP 330	Classical Technical Production I (1 - 3)	
TAP 331	Classical Technical Production II (1 - 3)	
TAP 332	Classical Technical Production III (1 - 3)	
TAP 333	Classical Technical Production IV (1 - 3)	
TAP 340	Musical Rehearsal and Performance I (1 - 3)	
TAP 341	Musical Rehearsal and Performance II (1 - 3)	
TAP 342	Musical Rehearsal and Performance III (1 - 3)	
TAP 343	Musical Rehearsal and Performance IV (1 - 3)	
TAP 350	Musical Technical Production I (1 - 3)	
TAP 351	Musical Technical Production II (1 - 3)	
TAP 352	Musical Technical Production III (1 - 3)	
TAP 353	Musical Technical Production IV (1 - 3)	
TAP 360	Children's Theatre Rehearsal and Performance I (1 - 3)	
TAP 361	Children's Theatre Rehearsal and Performance II (1 - 3)	
TAP 362	Children's Theatre Rehearsal and Performance III (1 - 3)	
TAP 363	Children's Theatre Rehearsal and Performance IV (1 - 3)	
TAP 370	Children's Theatre Technical Production I (1 - 3)	
TAP 371	Children's Theatre Technical Production II (1 - 3)	
TAP 372	Children's Theatre Technical Production III (1 - 3)	
TAP 373	Children's Theatre Technical Production IV (1 - 3)	
TAP 380	Repertory/Touring Rehearsal and Performance I (1 - 3)	
TAP 381	Repertory/Touring Rehearsal and Performance II (1 - 3)	

Course Code	Course Title	Units
TAP 382	Repertory/Touring Rehearsal and Performance III (1 - 3)	
TAP 383	Repertory/Touring Rehearsal and Performance IV (1 - 3)	
TAP 390	Repertory and Touring Technical Production I (1 - 3)	
TAP 391	Repertory and Touring Technical Production II (1 - 3)	
TAP 392	Repertory and Touring Technical Production III (1 - 3)	
TAP 393	Repertory and Touring Technical Production IV (1 - 3)	
Total Units:		**18**

The Associate in Arts in Theatre Arts for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- critique and evaluate the role of the theatre arts and their relationship to other parts of society.
- evaluate the historical, artistic, social, and philosophical environments in which theatre exists.
- analyze and critique dramatic literature and performance.
- formulate alternative solutions to theatrical production situations.
- employ audition and performance skills in community, educational, and/or professional theatres.
- develop skills to work as a theatre technician in community, educational, and/or professional theatres.
- demonstrate the ability to work effectively as an ensemble member of a theatre company.
- demonstrate skills that will allow the student to thrive in a baccalaureate level theatre program.

Career Information

People with advanced degrees in Theatre have a broad range of employment opportunities including, but not limited to, acting, design and technology for the theatre, publicity and public relations, teaching, theatre technician, stage management, and box office management. Some of these careers may need additional degrees beyond the Associate level.

Associate Degrees

A.A. in Theatre Arts, Acting-Directing Emphasis

This program provides students with an understanding of the overall process by which theatre is produced, including the theories and techniques of acting, directing, and playwriting, and the elements of technical theatre. It also provides an overview of the historical and social context of the theatre. Consultation with an SCC counselor is urged.

Degree Requirements

Course Code	Course Title	Units
TA 300	Introduction to the Theatre	3
TA 302	History and Theory of the Theatre I	3
TA 303	History and Theory of the Theatre II	3
TA 342	Introduction to Acting	3
TA 350	Theory and Techniques of Acting I	3
TA 351	Theory and Techniques of Acting II	3
TA 420	Stagecraft (3)	3
or TA 422	Stage Lighting (3)	
A minimum of 9 units from the following:		9
TAFILM 360	Screenwriting (3)	
TA 308	Diversity in American Theatre (3)	
TA 356	Acting for the Camera I (3)	
TA 360	Styles of Acting (3)	
TA 364	Shakespeare Without Fear (3)	
TA 370	Theatre Movement (2)	
TA 395	Playwriting (3)	
TA 423	Introduction to Scene Design for the Stage (3)	
TA 437	Stage Make-up I (3)	
TA 452	One-Act Play Workshop (3)	
TA 454	Race & Ethnicity in Performance I (3)	
TA 455	Race & Ethnicity in Performance II (3)	
TAP 300	Modern Rehearsal and Performance I (1 - 3)	
TAP 301	Modern Rehearsal and Performance II (1 - 3)	
TAP 302	Modern Rehearsal and Performance III (1 - 3)	
TAP 303	Modern Rehearsal and Performance IV (1 - 3)	
TAP 320	Classical Rehearsal and Performance I (1 - 3)	
TAP 321	Classical Rehearsal and Performance II (1 - 3)	
TAP 322	Classical Rehearsal and Performance III (1 - 3)	
TAP 323	Classical Rehearsal and Performance IV (1 - 3)	
TAP 340	Musical Rehearsal and Performance I (1 - 3)	
TAP 341	Musical Rehearsal and Performance II (1 - 3)	
TAP 342	Musical Rehearsal and Performance III (1 - 3)	
TAP 343	Musical Rehearsal and Performance IV (1 - 3)	
TAP 360	Children's Theatre Rehearsal and Performance I (1 - 3)	
TAP 361	Children's Theatre Rehearsal and Performance II (1 - 3)	

Course Code	Course Title	Units
TAP 362	Children's Theatre Rehearsal and Performance III (1 - 3)	
TAP 363	Children's Theatre Rehearsal and Performance IV (1 - 3)	
TAP 380	Repertory/Touring Rehearsal and Performance I (1 - 3)	
TAP 381	Repertory/Touring Rehearsal and Performance II (1 - 3)	
TAP 382	Repertory/Touring Rehearsal and Performance III (1 - 3)	
TAP 383	Repertory/Touring Rehearsal and Performance IV (1 - 3)	
Total Units:		**30**

The Theatre Arts, Acting-Directing Emphasis Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- recognize standard practices of ensemble playing in a rehearsal/performance environment.
- compare and analyze the theories and techniques of acting and/or directing from a historical perspective.
- analyze texts and scripts as they pertain to performance.
- demonstrate skill in technical aspects of acting, including physical, vocal, imaginative, analytical, and emotional elements.
- demonstrate skill in directing acting, including text analysis, staging, actor coaching, and design.
- analyze theatre as a dynamic art form influencing society.
- compare and contrast theatrical periods and styles in terms of acting, directing, playwriting, and technical elements.
- analyze the components of a theatrical production.
- apply imagination and character analysis to identify and describe the personality and motivations of a given character.
- apply technical processes, including lighting, set, costume, and/or stage make-up design, as they pertain to a given dramatic script.

Career Information

Completion of this Degree could lead to employment in the entertainment industry in both stage production and film production as performer or director.

A.A. in Theatre Arts, Technical Production Emphasis

This program provides the student with an understanding of the process by which theatre is produced from a technical standpoint, including scenic design, lighting design, costuming, sound design, and make-up design and the application of these designs. It also provides an overview of the other processes that are involved in the production of theatre, such as acting, directing, and playwriting and of the historical and social context of the theatre.

Degree Requirements

Course Code	Course Title	Units
TA 300	Introduction to the Theatre	3
TA 302	History and Theory of the Theatre I	3
TA 303	History and Theory of the Theatre II	3
TA 342	Introduction to Acting	3
TA 420	Stagecraft	3
TA 422	Stage Lighting	3
A minimum of 6 units from the following:		6
TA 423	Introduction to Scene Design for the Stage (3)	
TA 430	Costume Construction (3)	
TA 437	Stage Make-up I (3)	
TAP 310	Modern Technical Production I (1 - 3)	
TAP 311	Modern Technical Production II (1 - 3)	
TAP 312	Modern Technical Production III (1 - 3)	
TAP 313	Modern Technical Production IV (1 - 3)	
TAP 330	Classical Technical Production I (1 - 3)	
TAP 331	Classical Technical Production II (1 - 3)	
TAP 332	Classical Technical Production III (1 - 3)	
TAP 333	Classical Technical Production IV (1 - 3)	
TAP 350	Musical Technical Production I (1 - 3)	
TAP 351	Musical Technical Production II (1 - 3)	
TAP 352	Musical Technical Production III (1 - 3)	
TAP 353	Musical Technical Production IV (1 - 3)	
TAP 370	Children's Theatre Technical Production I (1 - 3)	
TAP 371	Children's Theatre Technical Production II (1 - 3)	
TAP 372	Children's Theatre Technical Production III (1 - 3)	
TAP 373	Children's Theatre Technical Production IV (1 - 3)	
TAP 390	Repertory and Touring Technical Production I (1 - 3)	
TAP 391	Repertory and Touring Technical Production II (1 - 3)	
TAP 392	Repertory and Touring Technical Production III (1 - 3)	
TAP 393	Repertory and Touring Technical Production IV (1 - 3)	
TAFILM 330	Film Making (3)	
TAFILM 332	Film Production Workshop I (3)	
TAFILM 333	Film Production Workshop II (3)	
TAFILM 334	Film Production Workshop III (3)	
A minimum of 3 units from the following:		3
TAFILM 360	Screenwriting (3)	
TA 308	Diversity in American Theatre (3)	
TA 356	Acting for the Camera I (3)	

Course Code	Course Title	Units
TA 360	Styles of Acting (3)	
TA 364	Shakespeare Without Fear (3)	
TA 370	Theatre Movement (2)	
TA 395	Playwriting (3)	
TA 452	One-Act Play Workshop (3)	
TA 454	Race & Ethnicity in Performance I (3)	
TA 455	Race & Ethnicity in Performance II (3)	
A minimum of 3 units from the following:		3
TAP 310	Modern Technical Production I (1 - 3)	
TAP 311	Modern Technical Production II (1 - 3)	
TAP 312	Modern Technical Production III (1 - 3)	
TAP 313	Modern Technical Production IV (1 - 3)	
TAP 330	Classical Technical Production I (1 - 3)	
TAP 331	Classical Technical Production II (1 - 3)	
TAP 332	Classical Technical Production III (1 - 3)	
TAP 333	Classical Technical Production IV (1 - 3)	
TAP 350	Musical Technical Production I (1 - 3)	
TAP 351	Musical Technical Production II (1 - 3)	
TAP 352	Musical Technical Production III (1 - 3)	
TAP 353	Musical Technical Production IV (1 - 3)	
TAP 370	Children's Theatre Technical Production I (1 - 3)	
TAP 371	Children's Theatre Technical Production II (1 - 3)	
TAP 372	Children's Theatre Technical Production III (1 - 3)	
TAP 373	Children's Theatre Technical Production IV (1 - 3)	
TAP 390	Repertory and Touring Technical Production I (1 - 3)	
TAP 391	Repertory and Touring Technical Production II (1 - 3)	
TAP 392	Repertory and Touring Technical Production III (1 - 3)	
TAP 393	Repertory and Touring Technical Production IV (1 - 3)	
Total Units:		**30**

The Theatre Arts, Technical Production Emphasis Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- assess the influence of theatre as a dynamic art form and a social and cultural force in our society.
- compare theatrical periods and styles in terms of acting, directing, playwriting, and technical elements.
- analyze the components of a theatrical production and the role of technical theatre in the production process.
- evaluate a script, assess production requirements, and develop practical and artistic solutions through scenic, lighting, costume, sound, or makeup designs.
- integrate practical information from construction plans.
- demonstrate proficiency in technical production skills.
- evaluate tools, materials, and processes used in technical theatre work.

Career Information

Completion of this degree could lead to employment in the entertainment industry in both stage production and film production as lighting technician, stage technician, scenic artist, or stage manager.

Theatre Arts (TA) Courses

TA 300 Introduction to the Theatre

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID THTR 111

This non-performance course focuses on the study of theatre and its relationship to: 1) the cultures and societies who create theatre; 2) other entertainment media such as film and television; and 3) audience development. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles, and genres of theatre through play reading, discussion, films, and viewing and critiquing live theatre, including a required field trip to a play at a professional or community theatre. Attendance at live performances is required.

TA 302 History and Theory of the Theatre I

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
C-ID: C-ID THTR 113

This course is a study of the masterpieces of the Theatre from the Greeks to the Nineteenth Century. Lectures include the historical and cultural environment out of which the plays were written and an analysis of plays from a variety of viewpoints including their historical moment and their lasting impact upon a contemporary audience. The course will also include an investigation into the synergy of theatrical performance and theatre architecture development and the continuing impact of these issues on a contemporary audience. Students are required to see three productions during the semester - the two MainStage Departmental offerings, and one of the student's choice, either on or off campus.

TA 303 History and Theory of the Theatre II

Units: 3
Hours: 54 hours LEC

Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a study of the principal types of twentieth century theatre. Lectures include the historical and cultural environment out of which the plays were written and an analysis of plays from a variety of viewpoints including their historical moment and their lasting impact upon a contemporary audience. The course will also include an investigation into the synergy of theatrical performance and theatre architecture development and the continuing impact of these issues on a contemporary audience. Students are required to see three productions during the semester: two on-campus, and one of their choice either on or off campus.

TA 304 Women in Theatre

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: UC (effective Fall 2022)
General Education: AA/AS Area I

This course is an exploration of women's contributions to the performing arts as actors, playwrights, directors, designers, and theorists. Studies will include understanding creative interpretations by women artists and the legacy they leave.

TA 308 Diversity in American Theatre

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A

This non-performance course is an introduction to American cultural diversity in and through theatre. The course will identify, compare, and contrast the cultural identities, histories, and artistic expressions of Asian/Pacific Americans; Black/ African Americans; Chicano/Latino/Hispanic Americans; European-Americans; Native Americans; and multi-racial/multi-ethnicity/multi-nationality and immigrant groups. The social, cultural, and political contexts that shaped these works will also be discussed. Constructs of race, ethnicity, class, gender, and sexuality will be examined and compared cross-culturally. Topics will be covered through readings, lectures, discussions, and required attendance at live play productions, on campus, and at professional or community theaters.

TA 342 Introduction to Acting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course is an introduction to stage performance. Included is a classroom investigation of performance through the use of theatre games, movement, sensory awareness, and improvisation. The course is designed for the student interested in self-expression through informal drama.

TA 350 Theory and Techniques of Acting I

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
C-ID: C-ID THTR 151

This course explores the theories and techniques used in the preparation of a role for the stage. Memorized acting scenes are staged and performed in the classroom. The course is designed for majors in theatre arts and communication.

TA 351 Theory and Techniques of Acting II

Units: 3
Hours: 54 hours LEC
Prerequisite: TA 350 with a grade of "C" or better
Transferable: CSU; UC
C-ID: C-ID THTR 152

This course includes the application of acting theories and techniques to the scripts of realistic drama. Memorized acting scenes are presented in the classroom. The course is designed for majors in theatre arts and communication.

TA 356 Acting for the Camera I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: TA 350 or 351 with a grade of "C" or better
Transferable: CSU; UC

This is an introductory course in the theory and techniques of acting for film and television. This course compares the differences between acting on the stage and acting for the camera. Scenes and commercials will be rehearsed, performed, and played back for critiques.

TA 360 Styles of Acting

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: TA 350 with a grade of "C" or better
Transferable: CSU; UC

This course will provide an investigation of styles of acting through lectures and prepared scenes from representative classic and modern plays and one-act plays.

TA 364 Shakespeare Without Fear

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Transferable: CSU; UC
General Education: CSU Area C1

This course is designed to give the student a non-threatening opportunity to explore performance of Shakespeare plays. It is designed primarily to help the student attend Shakespeare plays, in live performance or on film, not necessarily to create Shakespearean actors. Some of the topics covered include acting, language, stage combat, and auditioning techniques. Students will gain insights into the historical and cultural

context of Shakespeare's works through their performances, and then discuss the contemporary relevance of those works.

TA 370 Theatre Movement

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: CSU Area C1

This course is an active participation and performance experience designed to provide opportunities in discovery and solving movement tasks of the actor. The course incorporates exercises to expand the individual's movement repertoire for characters and scenes, as well as training in specific movement areas, such as combat, period style, and dance.

TA 395 Playwriting

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.
Transferable: CSU

This course includes the writing, reading, performing, critiquing, and revising of original work. Students will write continually throughout the semester, and their work will be read, performed, and discussed in class. Students will complete a full-length play by the end of the semester.

TA 404 Techniques of Puppetry

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGWR 51 and ENGRD 110, or ESLW 310 and ESLR 310, with grades of "C" or better, or placement through assessment.
Transferable: CSU
General Education: CSU Area C1

This course explores puppetry as a dramatic medium. Topics to be covered include history and development of puppetry; puppet design and creation; puppet manipulation and improvisation; and puppet play production techniques and applications.

TA 420 Stagecraft

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: None.
Transferable: CSU; UC
C-ID: C-ID THTR 171

This course covers the basic materials used in the construction of scenery and properties, as well as construction and painting techniques. Scenery and backstage organization are explored through a combination of lecture and practical experience gained by working on department productions.

TA 422 Stage Lighting

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: None.
Transferable: CSU; UC
C-ID: C-ID THTR 173

This course is an introduction to the basic concepts of lighting the stage, film, and television. The course covers the planning of lighting from the basics of electricity, equipment, and control to the design elements of color, space, scenery, and movement to produce a lighting design.

TA 423 Introduction to Scene Design for the Stage

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: TA 420 with a grade of "C" or better
Transferable: CSU; UC

This course will cover the techniques and procedures in application of design, color, and perspective in designing scenery for the stage. It will consist of developing floor plans; methods of pictorial representation of ideas, scale drawings, color perspective, and models.

TA 424 Advanced Technical Theatre

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: TA 420 and 422 with grades of "C" or better
Transferable: CSU; UC

This course will explore advanced technical theatre production techniques and design in the areas of scenery, props, lighting, sound, scenic painting, rigging or stage management, and costumes through individual projects and participation in major productions.

TA 430 Costume Construction

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
C-ID: C-ID THTR 174

This course explores the basic areas of costume construction. Topics include fabrics, color, patterns, sewing techniques, costume pieces, and accessories. Period styles, costume analysis, and basic design are also covered. This course offers experience in constructing costumes for theatrical productions. Through the construction of costumes for the Theatre Arts productions students will learn techniques of pattern drafting and sewing for stage use.

TA 436 Historic Costuming

Same As: FASHN 335
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: ENGRD 110, ENGWR 101, FASHN 340, FASHN 301, LIBR 318, and MATH 34 with grades of "C" or better.
Transferable: CSU; UC

The impact of social, political, cultural, and economic issues on costume is explored from the cradle of civilization through modern times. Specific periods of fashion are researched to design and construct historically correct garments. Students

will learn how to apply the principles of modern pattern making to various historical styles and use this knowledge to design and create historical costumes. The unique cut and construction of each historical period is covered, from undergarments to accessories, for each fashion period. Students will learn to create necessary adaptations to these garments for successful stage applications. One field trip is required. Credit may be earned for FASHN 335 or TA 436, but not for both courses. The cost per student to participate is approximately $35-$90.

TA 437 Stage Make-up I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: CSU Area C1
C-ID: C-ID THTR 175

This course covers the basic techniques of theatrical makeup. It explores makeup materials, color and light, modeling techniques, and design elements in the development of makeup designs for corrective, old age, historical, stylized face, clown, animal, and fantasy makeup. Materials may cost students between $50 and $100.

TA 438 Stage Make-up II

Units: 2
Hours: 18 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: TA 437 with a grade of "C" or better
Transferable: CSU; UC

This course includes special projects in the design and execution of character make-up for selected plays. Emphasis is on three dimensional make-up techniques. Students will work in small groups to allow for more student-contact time and more advanced instruction. Materials may cost students between $50 and 100.

TA 440 Arts Management

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU

This is a general survey course in arts management with emphasis on organization, marketing/development, and financial management. It also includes field work with an existing arts organization.

TA 452 One-Act Play Workshop

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course explores the play production process. Class members collaborate in the analysis, preparation, and production of one-act plays through participation as directors, writers, actors, or technicians. The process culminates in public performances.

TA 454 Race & Ethnicity in Performance I

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A

This course investigates performance literature and traditions of the Americas, particularly of the United States. Students will research, study, rehearse, and perform the work of playwrights, poets, and solo performance artists and learn how to investigate and create identities for themselves and their audiences. Students may also write, compose, or develop original work as appropriate to topics covered regarding traditional and contemporary performance, as well as participate in public performances. Specific readings and topics may adapt to the interests and needs of the current semester.

TA 455 Race & Ethnicity in Performance II

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI

This course investigates the use of theatre, performance, and related disciplines for the purposes of pursuing educational equity, community development, and/or social action. The course will focus on local communities of Asian/Pacific Americans, Black/African Americans, Chicano/Latino/Hispanic Americans, Native Americans, or recent immigrant groups, their cross-cultural relationships, and their artistic movements in late 20th and early 21st century performance. Under the direction of the instructor, students will identify a contemporary college or community issue, collaborate on the development of an original, community-based theatre event, and participate in public performances. Specific readings and topics will adapt to the events and students current to the semester.

TA 494 Topics in Theatre Arts

Units: 0.5 - 4
Hours: 27 - 162 hours LAB
Prerequisite: None.
Transferable: CSU

This course is designed to give students an opportunity to study topics in theatre that are not included in current course offerings. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

TA 495 Independent Studies in Theatre Arts

Units: 1 - 3
Hours: 6 - 36 hours LEC; 36 - 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of

regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Theatre Arts offers students a chance to do research and/or experimentation that is more typical of advanced studies in Theatre Arts.
UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions

TA 498 Work Experience in Theatre Arts

Units: 1 - 4
Hours: 60 - 300 hours LAB
Prerequisite: None.
Transferable: CSU

This course provides a supervised work experience in a professional theatre setting. Students may be assigned to work the box office, wardrobe, scenery construction, properties, lighting and sound, stage management, costuming, makeup, design, or acting. Work Experience may be taken for a total of 16 units when there are new or expanded learning objectives.

TA 499 Experimental Offering in Theatre Arts

Units: 0.5 - 4
Prerequisite: None.
Transferable: CSU; UC

This is the experimental courses description.

Theatre Arts Performance (TAP) Courses

TAP 300 Modern Rehearsal and Performance I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Modern Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the first level of four courses that provide a workshop training experience for students performing in their first role in a modern theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 301 Modern Rehearsal and Performance II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Modern Performance and Technical Production
Prerequisite: TAP 300, 320, 340, 360, or 380 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the second level of four courses that provide a workshop training experience for students performing in their second role in a modern theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 302 Modern Rehearsal and Performance III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Modern Performance and Technical Production
Prerequisite: TAP 301, 321, 341, 361, or 381 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the third level of four courses that provide a workshop training experience for students performing in their third role in a modern theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 303 Modern Rehearsal and Performance IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Modern Performance and Technical Production
Prerequisite: TAP 302, 322, 342, 362, or 382 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the fourth level of four courses that provide a workshop training experience for students performing in their fourth role in a modern theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 310 Modern Technical Production I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Modern Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the first level of four courses that provide for a workshop training experience for students working in their first

position on the production crew of a modern theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 311 Modern Technical Production II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Modern Performance and Technical Production
Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the second level of four courses that provide for a workshop training experience for students working in their second position on the production crew of a modern theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 312 Modern Technical Production III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Modern Performance and Technical Production
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the third level of four courses that provide for a workshop training experience for students working in their third position on the production crew of a modern theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 313 Modern Technical Production IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Modern Performance and Technical Production
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the fourth level of four courses that provide for a workshop training experience for students working in their fourth position on the production crew of a modern theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 320 Classical Rehearsal and Performance I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Classical Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the first level of four courses that provide a workshop training experience for students performing in their first role in a classical theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 321 Classical Rehearsal and Performance II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Classical Performance and Technical Production
Prerequisite: TAP 300, 320, 340, 360, or 380 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the second level of four courses that provide a workshop training experience for students performing in their second role in a classical theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class

after the close of late registration at the discretion of the instructor.

TAP 322 Classical Rehearsal and Performance III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Classical Performance and Technical Production
Prerequisite: TAP 301, 321, 341, 361, or 381 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the third level of four courses that provide a workshop training experience for students performing in their third role in a classical theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 323 Classical Rehearsal and Performance IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Classical Performance and Technical Production
Prerequisite: TAP 302, 322, 342, 362, or 382 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the fourth level of four courses that provide a workshop training experience for students performing in their fourth role in a classical theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 330 Classical Technical Production I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Classical Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the first level of four courses that provide for a workshop training experience for students working in their first position on the production crew of a classical theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor

TAP 331 Classical Technical Production II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Classical Performance and Technical Production
Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the second level of four courses that provide for a workshop training experience for students working in their second position on the production crew of a classical theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 332 Classical Technical Production III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Classical Performance and Technical Production
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the third level of four courses that provide for a workshop training experience for students working in their third position on the production crew of a classical theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 333 Classical Technical Production IV

Units: 1 - 3
Hours: 54 - 162 hours LAB

Course Family: Classical Performance and Technical Production
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the fourth of four courses that provide for a workshop training experience for students working in their fourth position on the production crew of a classical theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 340 Musical Rehearsal and Performance I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Musical Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the first level of four courses that provide a workshop training experience for students performing in their first role in a musical theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles.

TAP 341 Musical Rehearsal and Performance II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Musical Performance and Technical Production
Prerequisite: TAP 300, 320, 340, 360, or 380 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the second level of four courses that provide for a workshop training experience for students performing in their second role in a musical theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles.

TAP 342 Musical Rehearsal and Performance III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Musical Performance and Technical Production
Prerequisite: TAP 301, 321, 341, 361, or 381 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the third level of four courses that provide a workshop training experience for students performing in their third role in a musical theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles.

TAP 343 Musical Rehearsal and Performance IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Musical Performance and Technical Production
Prerequisite: TAP 302, 322, 342, 362, or 382 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the fourth level of four courses that provide a workshop training experience for students performing in their fourth role in a musical theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles.

TAP 350 Musical Technical Production I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Musical Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the first of four courses that provide for a workshop training experience for students working in their first position on the production crew of a musical theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 351 Musical Technical Production II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Musical Performance and Technical Production
Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the second of four courses that provide for a workshop training experience for students working in their second position on the production crew of a musical theatre

production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 352 Musical Technical Production III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Musical Performance and Technical Production
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the third of four courses that provide for a workshop training experience for students working in their third position on the production crew of a musical theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 353 Musical Technical Production IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Musical Performance and Technical Production
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the fourth of four courses that provide for a workshop training experience for students working in their fourth position on the production crew of a musical theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 360 Children's Theatre Rehearsal and Performance I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Children's Theatre Performance and Technical Produ
Prerequisite: None.
Enrollment Limitation: Students must pass an audition in order to enroll.
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the first level of four courses that provide a workshop training experience for students performing in their first role in a children's theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles.

TAP 361 Children's Theatre Rehearsal and Performance II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Children's Theatre Performance and Technical Produ
Prerequisite: TAP 300, 320, 340, or 360 with a grade of "C" or better
Enrollment Limitation: Students must pass an audition in order to enroll.
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the second level of four courses that provide a workshop training experience for students performing in their second role in a children's theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles.

TAP 362 Children's Theatre Rehearsal and Performance III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Children's Theatre Performance and Technical Produ
Prerequisite: TAP 301, 321, 341, or 361 with a grade of "C" or better
Enrollment Limitation: Students must pass an audition in order to participate.
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the third level of four courses that provide a workshop training experience for students performing in their third role in a children's theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles.

TAP 363 Children's Theatre Rehearsal and Performance IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Children's Theatre Performance and Technical Produ

Prerequisite: TAP 302, 322, 342, or 362 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the fourth level of four courses that provide a workshop training experience for students performing in their fourth role in a children's theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles.

TAP 370 Children's Theatre Technical Production I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Children's Theatre Performance and Technical Produ
Prerequisite: None.
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the first of four courses that provide for a workshop training experience for students working in their first position on the production crew of a children's theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 371 Children's Theatre Technical Production II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Children's Theatre Performance and Technical Produ
Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the second of four courses that provide for a workshop training experience for students working in their second position on the production crew of a children's theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 372 Children's Theatre Technical Production III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Children's Theatre Performance and Technical Produ
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the third of four courses that provide for a workshop training experience for students working in their third position on the production crew of a Children's theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 373 Children's Theatre Technical Production IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Children's Theatre Performance and Technical Produ
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the fourth of four courses that provide for a workshop training experience for students working in their fourth position on the production crew of a children's theatre production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 380 Repertory/Touring Rehearsal and Performance I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Repertory/Touring Performance and Technical Produc
Prerequisite: None.
Enrollment Limitation: Audition
Transferable: CSU; UC

C-ID: C-ID THTR 191

This course is the first level of four courses that provide a workshop training experience for students performing in their first role in a repertory or touring production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 381 Repertory/Touring Rehearsal and Performance II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Repertory/Touring Performance and Technical Produc
Prerequisite: TAP 300, 320, 340, 360, or 380 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the second level of four courses that provide a workshop training experience for students performing in their second role in a repertory or touring theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 382 Repertory/Touring Rehearsal and Performance III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Repertory/Touring Performance and Technical Produc
Prerequisite: TAP 301, 321, 341, 361, or 381 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the third level of four courses that provide a workshop training experience for students performing in their third role in a repertory or touring theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 383 Repertory/Touring Rehearsal and Performance IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Repertory/Touring Performance and Technical Produc
Prerequisite: TAP 302, 322, 342, 362, or 382 with a grade of "C" or better
Enrollment Limitation: Audition
Transferable: CSU; UC
C-ID: C-ID THTR 191

This course is the fourth level of four courses that provide a workshop training experience for students performing in their fourth role in a repertory or touring theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 390 Repertory and Touring Technical Production I

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Repertory/Touring Performance and Technical Produc
Prerequisite: None.
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the first of four courses that provide for a workshop training experience for students working in their first position on the production crew of a Repertory and Touring production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 391 Repertory and Touring Technical Production II

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Repertory/Touring Performance and Technical Produc
Prerequisite: TAP 310, 330, 350, 370, and 390 with grades of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the second of four courses that provide for a workshop training experience for students working in their second position on the production crew of a repertory and touring production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the

instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 392 Repertory and Touring Technical Production III

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Repertory/Touring Performance and Technical Produc
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the third of four courses that provide for a workshop training experience for students working in their third position on the production crew of a Repertory and Touring production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 393 Repertory and Touring Technical Production IV

Units: 1 - 3
Hours: 54 - 162 hours LAB
Course Family: Repertory/Touring Performance and Technical Produc
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Students must interview for crew positions prior to enrollment.
Transferable: CSU; UC
C-ID: C-ID THTR 192

This course is the fourth of four courses that provide for a workshop training experience for students working in their fourth position on the production crew of a Repertory and Touring production. Students interested in technical work interview for positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor.

TAP 499 Experimental Offering in Theatre Arts Performance

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Theatre Arts Film

The Theatre Arts Film program offers certificates in Film Production and Film Studies that provide a core foundation in these fields. The collaborative nature of filmmaking will be taught through classroom presentations and hands-on crew experiences. The process allows students to explore both the creative and technical aspects of production. Students learn an appreciation of film as a medium of communication.

Degrees and Certificates Offered

A.A. in Film

Film Production Certificate

Film Studies Certificate

Dean Patti Leonard

Department Chair Luther Hanson

Phone (916) 558-2173

Email HansonL@scc.losrios.edu

Associate Degree

A.A. in Film

The Film degree will provide the opportunity for students to develop a core foundation in various aspects of film history, diversity, and production. Students can learn the collaborative nature of filmmaking through classroom presentations and hands-on crew experiences. The process allows students to develop skills in all areas of the craft while exploring both the creative and technical aspects of production. Students learn an appreciation of film as a medium of communication. This degree provides lower division preparation for transfer to a baccalaureate degree in this field.

Degree Requirements

Course Code	Course Title	Units
TAFILM 300	Introduction to Film (3)	3
or ENGLT 400	Introduction to Film (3)	
TAFILM 302	History of Film (3)	3 - 6
or [TAFILM 303	History of Film: 1880's through 1950's (3)	
and TAFILM 304]	History of Film: 1950's to Present (3)	
TAFILM 307	Diversity in American Film	3
TAFILM 330	Film Making	3
A minimum of 18 units from the following:		18
ENGLT 403	Film Adaptations (3)	
MUSM 322	Introduction to Film Music (3)	
MUSM 356	Pro Tools 101, Introduction to Pro Tools (1.5)	
MUSM 357	Pro Tools 110 Intermediate Pro Tools (1.5)	
MUSM 362	Mixing and Mastering Music Projects (3)	
MUSM 366	Pro Tools 201, Advanced Pro Tools (1.5)	
MUSM 367	Audio for Video Post Production (3)	
TA 356	Acting for the Camera I (3)	
TA 420	Stagecraft (3)	
TA 422	Stage Lighting (3)	
TA 430	Costume Construction (3)	
TA 437	Stage Make-up I (3)	
TA 438	Stage Make-up II (2)	
TAFILM 309	From Stage to Screen: Production Design and Art Direction (3)	
TAFILM 320	Cinema Genres (3)	
TAFILM 332	Film Production Workshop I (3)	
TAFILM 333	Film Production Workshop II (3)	
TAFILM 334	Film Production Workshop III (3)	
TAFILM 340	Film Editing (3)	
TAFILM 341	Advanced Film Editing (3)	
TAFILM 343	Motion Graphics for Video (3)	
TAFILM 344	Introduction to Digital Effects (3)	
TAFILM 345	Intermediate Digital Effects (3)	
TAFILM 347	Color Correcting and Grading for Film (3)	
TAFILM 360	Screenwriting (3)	
Total Units:		**30 - 33**

The Film Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe the development of film and the art of filmmaking.
- compare and contrast different cinematic styles and structures.
- analyze films for their effective use of visual techniques.
- formulate an independent and critical aesthetic perspective on the cinema.
- develop and apply film production elements to independent projects.
- exhibit fundamental skills necessary to obtain employment in the film industry.
- fulfill various requirements for transfer to a baccalaureate degree program in this field.

Career Information

Skills learned in this program could lead to employment in the following fields: production management, camera (i.e. director of photography, camera operator), lighting (i.e. rigger, lighting technician), sound (i.e. production mixer, boom operator), grip, set decoration, production design, props, make-up, film editing, acting, and directing.

Certificates of Achievement

Film Production Certificate

The Film certificate will provide the opportunity for a core foundation in various aspects of film production. The collaborative nature of filmmaking will be taught through classroom presentations and hands-on crew experiences. The process allows students to explore both the creative and technical aspects of production. Students learn an appreciation of film as a medium of communication. This certificate focuses on hands-on production and the understanding of the film making process.

Certificate Requirements

Course Code	Course Title	Units
TAFILM 302	History of Film (3)	3
or TAFILM 303	History of Film: 1880's through 1950's (3)	
or TAFILM 304	History of Film: 1950's to Present (3)	
TAFILM 330	Film Making	3
A minimum of 12 units from the following:		12
MUSM 322	Introduction to Film Music (3)	
MUSM 356	Pro Tools 101, Introduction to Pro Tools (1.5)	
MUSM 357	Pro Tools 110 Intermediate Pro Tools (1.5)	
MUSM 366	Pro Tools 201, Advanced Pro Tools (1.5)	
MUSM 367	Audio for Video Post Production (3)	
TA 356	Acting for the Camera I (3)	
TA 420	Stagecraft (3)	
TA 422	Stage Lighting (3)	
TA 430	Costume Construction (3)	
TA 437	Stage Make-up I (3)	
TA 438	Stage Make-up II (2)	
TAFILM 332	Film Production Workshop I (3)	
TAFILM 333	Film Production Workshop II (3)	
TAFILM 334	Film Production Workshop III (3)	
TAFILM 340	Film Editing (3)	
TAFILM 341	Advanced Film Editing (3)	
TAFILM 343	Motion Graphics for Video (3)	
TAFILM 344	Introduction to Digital Effects (3)	
TAFILM 345	Intermediate Digital Effects (3)	
TAFILM 347	Color Correcting and Grading for Film (3)	
TAFILM 360	Screenwriting (3)	
Total Units:		**18**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe the development of film and the art of filmmaking.
- compare and contrast different cinematic styles and structures.
- analyze films for their effective use of visual techniques.
- formulate an independent and critical aesthetic perspective on the cinema.
- develop and apply film production elements to independent projects.
- exhibit fundamental skills necessary to obtain employment in the film industry

Career Information

Skills learned in this program could lead to employment in the following fields: production management, camera (e.g. director of photography, camera operator), lighting (e.g. rigger, lighting technician), sound (e.g. production mixer, boom operator), grip, set decoration, production design, props, make-up, film editing, acting, and directing.

Film Studies Certificate

The Film Studies certificate will provide the opportunity for students to develop a core foundation in various aspects of film history, diversity, appreciation, and production. The collaborative nature of filmmaking will be taught through classroom presentations and hands-on crew experiences. The process allows students to explore both the creative and technical aspects of production. Students learn an appreciation of film as a medium of communication. This certificate focuses on the analytical understanding of the film making process rather than on hands-on production.

Certificate Requirements

Course Code	Course Title	Units
TAFILM 300	Introduction to Film (3)	3
or ENGLT 400	Introduction to Film (3)	
TAFILM 302	History of Film (3)	3 - 6
or [TAFILM 303	History of Film: 1880's through 1950's (3)	
and TAFILM 304]	History of Film: 1950's to Present (3)	
A minimum of 9 units from the following:		9
ENGLT 403	Film Adaptations (3)	
MUSM 322	Introduction to Film Music (3)	
TAFILM 307	Diversity in American Film (3)	
TAFILM 309	From Stage to Screen: Production Design and Art Direction (3)	
TAFILM 320	Cinema Genres (3)	
TAFILM 330	Film Making (3)	
TAFILM 332	Film Production Workshop I (3)	
TAFILM 360	Screenwriting (3)	
Total Units:		**15 - 18**

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- describe the development of film and the art of filmmaking.

- compare and contrast different cinematic styles and structures.
- analyze films for their effective use of visual techniques.
- formulate an independent and critical aesthetic perspective on the cinema.
- exhibit fundamental skills necessary to obtain employment in the film industry.
- develop and apply film production elements to independent projects.

Career Information

Skills learned in this program could lead to employment in the following fields: production management, director, assistant director, production researcher, film critic, and acting.

Theatre Arts Film (TAFILM) Courses

TAFILM 300 Introduction to Film

Same As: ENGLT 400
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with grades of “C” or better; or ESLR 340 and ESLW 340 with grades of “C” or better.
Transferable: CSU; UC (Same as ENGLT 400. Formerly approved for TA 310.)
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course explores the artistic, business, and social elements of modern film. It examines the elements that go into making films: acting, directing, cinematography, writing, and editing. It investigates the techniques used to manipulate the audience into fear, laughter, and sadness and compares the commercial box office hit and "movie star" to enduring artistic films and actors. This class will view and analyze films to evaluate filmmaking techniques and the impact of films and the movie business on society. This course is cross-listed with ENGLT 400. It may be taken only once for credit as TAFILM 300 or as ENGLT 400, but not both. This course was formerly known as TA 310.

TAFILM 302 History of Film

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a general survey of the development of the art of narrative film from early silent films to modern sound films using lecture, discussion, and films chosen to represent important developments in the film history. (This course was formerly known as TA 312.)

TAFILM 303 History of Film: 1880's through 1950's

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with grades of “C” or better; or ESLR 340 and ESLW 340 with grades of “C” or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a historical and critical survey of film as an art form. It emphasizes the evolution of artistic and technical facets of production in features, documentaries, and experimental films. The focus is on films from the 1880s through 1950s. (This course was formerly known as TA 314.)

TAFILM 304 History of Film: 1950's to Present

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with grades of “C” or better; or ESLR 340 and ESLW 340 with grades of “C” or better.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A

This course is a historical and critical survey of film as an art form. It emphasizes the evolution of artistic and technical facets of production in features, documentaries, and experimental films. The focus is on films from the 1950s to present. (This course was formerly known as TA 315.)

TAFILM 307 Diversity in American Film

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with grades of “C” or better; or ESLR 340 and ESLW 340 with grades of “C” or better.
Transferable: CSU; UC
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; CSU Area C2; IGETC Area 3B

This course is an introduction to cultural diversity as it is expressed in American film. The course will focus on the cultures of Asian/Pacific Americans, Black/African Americans, Chicano/Latino/Hispanic Americans, Native Americans, and recent immigrant groups, as expressed in film narrative, production practices, and critical responses. Issues of class, gender, and sexuality will be examined and compared cross-culturally. Media stereotypes and their social, political, and cultural origins and the responses to these stereotypes by 20th and 21st century film makers will be examined through film viewings, lecture, and discussion. (This course was formerly known as TA 318.)

TAFILM 309 From Stage to Screen: Production Design and Art Direction

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I

This course will examine the aesthetic design of films by looking at costume, scenery, and prop design. Students will evaluate how the production design of a film helps to shape all of the other elements that make up the film. Students will examine how production design has been utilized to show the past, present, and future as well as imaginary time periods. This course will draw upon theatrical design techniques and evaluate how those techniques have been used in film production. (This course was formerly known as TA 323.)

TAFILM 320 Cinema Genres

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Transferable: CSU; UC
General Education: CSU Area C1; IGETC Area 3A

This course is designed to explore in depth one or more film genres. Special attention is paid to development, aesthetics, popularity, and artists of the specific form. (This course was formerly known as TA 320.)

TAFILM 330 Film Making

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course emphasizes contemporary methods of film production, including low-budget art films with a concern for the aesthetics of film making. Stressed are techniques of direction, lighting, tilting, camera use, editing, film types, lenses, and other aspects of cinema. Equipment and supplies for individual projects must be furnished by each student. Supplies and equipment are furnished for students working on group projects. (This course was formerly known as TA 331.)

TAFILM 332 Film Production Workshop I

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: TAFILM 330 with a grade of "C" or better
Transferable: CSU; UC

This course will give an overview of the creative, technical, and management skills necessary to design and produce a film production on location. Students will gain hands-on experience in production techniques using film production equipment. Within this course, students plan the total operational process for actual film productions. Students participate in and take responsibility for various aspects of the finished product, such as pre-production planning, scripting, equipment operations, lighting, audio, and post-production. (This course was formerly known as TA 332.)

TAFILM 333 Film Production Workshop II

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: TAFILM 332 with a grade of "C" or better
Transferable: CSU; UC

This course allows students to gain additional experience in technical and management skills necessary to design and produce a film production on location. Students may take more active lead roles for various aspects of the finished product, such as pre-production planning, scripting, equipment operations, lighting, audio, and post-production.

TAFILM 334 Film Production Workshop III

Units: 3
Hours: 36 hours LEC; 72 hours LAB
Prerequisite: TAFILM 333 with a grade of "C" or better
Transferable: CSU; UC

This course allows students to gain advanced skills and leadership experiences in technical and management areas necessary to design and produce a film production on location. Students will take lead positions and may be required to assist in the training of other students for various aspects of the finished product, such as pre-production planning, scripting, equipment operations, lighting, audio, and post-production. Students may serve as department heads or as producers, directors, and production managers.

TAFILM 340 Film Editing

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC

This course is an introduction to the concepts and technical elements of film editing for the cinema. Students will gain practical experience in editing images and synchronous sound to create cinematic products. Students will receive training in the features and capabilities of current film editing equipment including the latest film editing software. Some of the topics covered in the course include a basic overview of editing, video montage, subclippings, storyboarding, and editing dialogue, as well as digitizing and final output. This course involves the use of software that is regarded as the current industry standard. (This course was formerly known as TA 333.)

TAFILM 341 Advanced Film Editing

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: TAFILM 340 with a grade of "C" or better
Transferable: CSU

This course is designed for experienced users or those wishing to increase their overall film editing knowledge. This course delves into the details of such topics as compositing, power trimming, media management, color keying, audio finishing, color correction, and much more. Instruction also covers tips, tricks, and other secrets that allow participants to master the finer points of film editing and edit software. (This course was formerly known as TA 334.)

TAFILM 343 Motion Graphics for Video

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: DDSN 331 and TAFILM 340 with grades of "C" or better and basic knowledge of the Macintosh OS
Transferable: CSU

This hands-on course will familiarize students with motion graphics design. The course comprehensively covers software engine and interface, behavior-based animation, parameter behaviors, blend modes, advanced particle system design, advanced title animation, working with templates, chroma key techniques, masking methods, motion menu design, tablet-driven gesture UI techniques, working with audio, keyframing, and integration. (This course was formerly known as TA 336.)

TAFILM 344 Introduction to Digital Effects

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: TAFILM 340 with a grade of "C" or better
Transferable: CSU; UC

This course is an introductory study of digital effects production, with specific focus on motion graphics, compositing, effects processing, and title sequences. Students will explore digital effects for film, multimedia, and emerging broadcast technologies.

TAFILM 345 Intermediate Digital Effects

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: TAFILM 344 with a grade of "C" or better
Transferable: CSU; UC

The course presents an intermediate level exploration of the theory and practice of digital effects for film multimedia and emerging broadcast technologies. Intermediate level skills are developed in digital effects software. Techniques for compositing, keying, motion graphics, and color correction are demonstrated.

TAFILM 347 Color Correcting and Grading for Film

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Advisory: TAFILM 340 with a grade of "C" or better and basic knowledge of the Macintosh OS
Transferable: CSU

This hands-on course will familiarize students with color grading and finishing software. This course will begin with the basics of color balancing and correction. Students will move on to the fine points of secondary grading, including scene matching, using vignettes to isolate and track regions, creating advanced color effects and “looks,” skin tone adjustments, adjusting the composition and framing of a shot, and much more. (This course was formerly known as TA 337.)

TAFILM 360 Screenwriting

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better, or ESLW 340 with a grade of "C" or better.
Transferable: CSU

This course is a study of the creativity and techniques of screenwriting for short films, feature films, web video and television. Students will view and analyze exemplary films, participate in writing exercises and workshops, and complete a treatment and master scenes of a professionally formatted screenplay. (This course was formerly known as TA 339.)

TAFILM 495 Independent Studies in Film

Units: 1 - 3
Hours: 6 - 36 hours LEC; 36 - 54 hours LAB
Prerequisite: None.
Transferable: CSU

This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Film offers students a chance to do research and/or experimentation that is more typical of advanced studies in Film.
UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted toward the minimum 60 units required for admissions

TAFILM 498 Work Experience in Film

Units: 0.5 - 4
Hours: 30 - 300 hours LAB
Prerequisite: None.
Transferable: CSU

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. During the semester, the student is required to complete 37.5 hours of related paid work experience, or 30 hours of related unpaid work experience for 0.5 unit. An additional 37.5 or 30 hours of related work experience is required for each additional 0.5 units. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

TAFILM 499 Experimental Offering in Theatre Arts Film

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Women and Gender Studies

Women and Gender Studies is an interdisciplinary program that involves an interdisciplinary, multicultural, and transnational perspective of gender inequality. Based on the conviction that gender roles are socially constructed through time, the program employs perspectives from disciplines such as history, literature, philosophy, sociology, politics, and psychology to examine how gendered experiences are created and shaped by social and economic institutions, political movements, and individual experiences. The course of study centers on teaching students how to use feminist and social justice frameworks to analyze gender oppression within local, national, and global contexts. The program encourages an analysis of how race, class, sexuality, and nationality influence the construction of gender.

Degrees Offered

A.A. in Women and Gender Studies

Dean Dennis Lee
Department Chair Dominic Cerri
Phone (916) 558-2401
Email SCC-BSS@losrios.edu

Associate Degree

A.A. in Women and Gender Studies

Women and Gender Studies is an interdisciplinary program that involves an interdisciplinary, multicultural, and transnational perspective of gender inequality. Based on the conviction that gender roles are socially constructed through time, the program employs perspectives from disciplines such as history, literature, philosophy, sociology, politics, and psychology to examine how gendered experiences are created and shaped by social and economic institutions, political movements, and individual experiences. The course of study centers on teaching students how to use feminist and social justice frameworks to analyze gender oppression within local, national, and global contexts. The program encourages an analysis of how race, class, sexuality, and nationality influence the construction of gender.

Degree Requirements

Course Code	Course Title	Units
WGS 300	Introduction to Women and Gender Studies	3
WGS 302	Global Women's Issues (3)	3
or SOC 345	Global Women's Issues (3)	
A minimum of 12 units from the following:		12[1]
ARTH 312	Women in Art (3)	
ENGLT 360	Women in Literature (3)	
ENGLT 401	Women in Film and Literature (3)	
POLS 340	Women in Politics (3)	
PSYC 356	Human Sexuality (3)	
PSYC 360	Psychology of Women (3)	
SOC 341	Sex and Gender in the U.S. (3)	
SOC 343	Women and Social Action (3)	
SOC 344	Sociology of Women's Health (3)	
WGS 304	Women, Globalization, and Human Rights (3)	
or SOC 347	Women, Globalization, and Human Rights (3)	
HIST 483	History of the United States - Honors (3)	
or HIST 310	History of the United States (To 1877) (3)	
HIST 484	History of the United States - Honors (3)	
or HIST 311	History of the United States (1865 - Present) (3)	
Total Units:		**18**

[1]Students must take the "Women's Emphasis" sections of HIST 310, HIST 311, HIST 483, and HIST 484. The "Women's Emphasis" courses are identified in the class schedule.

The Women and Gender Studies Associate in Arts (A.A.) degree may be obtained by completion of 60 transferable, semester units, including (a) the major or area of emphasis described in the Required Program, and (b) one of the following: the SCC General Education, the Intersegmental General Education Transfer Curriculum (IGETC), or the California State University General Education-Breadth Requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- identify women’s contributions to major social and cultural institutions, including history, politics, science, social science, literature, and art.
- demonstrate an understanding of the role of oppression and privilege in the lives of women, integrating the roles played by of race, class, gender, ethnicity, age, (dis)ability, and sexuality in women’s experiences.
- demonstrate the ability to summarize and apply a variety of feminist theories.
- identify and discuss a range of gender issues, including motherhood, gender-based violence, reproductive justice, economic issues, marriage and relationships, political leadership, employment, and physical and mental health issues.
- demonstrate the ability to examine issues of women and gender from an interdisciplinary, cross-cultural, and global perspective.
- utilize a variety of strategies for social change, incorporating an understanding of the connection between knowledge and experience, theory and activism regarding issues pertaining to women and gender.
- demonstrate the ability to communicate effectively in writing.

Career Information

A degree in Women and Gender Studies provides students with an academically well-rounded knowledge base anchored in strong critical thinking skills, through the lens of feminism and

social justice. Students who complete the Women and Gender Studies program develop skills that are attractive to many employers in the twenty-first century, including the ability to think critically, to be open-minded and innovative, and to handle the real-life complexities of the workplace. Students also bring to the workplace a specific awareness of issues such as sexism, racism, homophobia, and class oppression. Students who earn an A.A. degree in Women and Gender Studies may either pursue further study or obtain employment directly in fields such as health and social services, education, law, government and politics, communications, and business. Moreover, a Women and Gender Studies degree gives students the confidence to pursue nontraditional careers.

Women and Gender Studies (WGS) Courses

WGS 300 Introduction to Women and Gender Studies

Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 350.); UC (Approved for SOCSC 350 previously.)
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D; IGETC Area 4
C-ID: C-ID SJS 120

This course provides an interdisciplinary approach to introducing Women and Gender Studies and key theories, concepts, and issues of the field. The course will examine gender inequality from an intersectional perspective, emphasizing the interrelated circumstances that influence women's status in popular culture, in the workforce, in the arts, before the law, in the family, and in other social, political, and economic realms of society. Students will strive to understand women's diverse histories and experiences, while at the same time seeking to understand how their own histories have shaped who they are and how they view the world. Employing gender as a central category of analysis, the course will be inclusive of issues of oppression based on gender expression and sexuality. Each student writes a minimum of 3,000 words.

WGS 302 Global Women's Issues

Same As: SOC 345
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU (Formerly approved for SOCSC 352); UC (Formerly approved for SOCSC 352)
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

The course will consider the conditions of women's lives from the perspectives of global and transnational feminism, examining issues such as immigration, girls' education, maternal health, globalization, economics, war and conflict, gender-based violence, and political activism. Students will seek to understand women's lives by connecting global data about the status of women to material consequences for individual women and local communities. Using gender as a theoretical category of analysis, the course will explore how gender inequality and oppression create disproportionate suffering and lack of opportunities for women and girls. Students will learn to ask critical questions about the complex and intersecting aspects of the oppression of women, as well as develop an understanding of the culturally situated, creative, and heroic ways women are standing up to gender oppression and shaping change within their local communities and nations. Credit may be awarded for either WGS 302 or SOC 345 but not for both.

WGS 304 Women, Globalization, and Human Rights

Same As: SOC 347
Units: 3
Hours: 54 hours LEC
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
Transferable: CSU; UC
General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4

Through global and transnational feminist perspectives, this course provides an overview of human rights ideas and frameworks, including the history and ongoing implementation of United Nations conventions, treaties, and campaigns concerning women. The course will consider the complex and gendered social, economic, and political impacts of globalization on women and girls around the world. Students will learn to critically engage with theories, approaches, and representation related to improving the lives of women in the global context and will learn about key human rights defenders who are recognized for their activism. Students will consider their own place in a globalized world and utilize course knowledge to think about their role in creating justice in the world. Credit may be awarded for either WGS 304 or SOC 347 but not for both.

WGS 499 Experimental Offering in Women and Gender Studies

Units: 0.5 - 4
Prerequisite: None.

This is the experimental courses description.

Work Experience

Cooperative Work Experience (WEXP) is an experiential academic program where students apply what they have learned in the classroom to a work environment. The program offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work.

Dean Rukiya Bates

Phone (916) 558-2204

Email counseling@scc.losrios.edu

Work Experience (WEXP) Courses

WEXP 198 Work Experience - General

Units: 1 - 3
Hours: 60 - 225 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job or volunteer position.
General Education: AA/AS Area III(b)

According to Title 5, code 55252, General Work Experience Education is supervised employment that is intended to assist students in acquiring desirable work habits, attitudes, and career awareness. General Work Experience need not be related to the students' educational goals. This course is designed for students working in a paid or unpaid job or volunteer position unrelated to their major. The student must have a job or volunteer position secured to remain enrolled in the course. The course will provide students with a structured program designed to teach them new soft skills and employability skills in a real world work environment that will assist them in securing a volunteer position or job in the future. Course content includes understanding the application of education to the workforce; responsibilities of a volunteer or employee in a workforce setting; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the student's level of learning. The student will be required to attend an orientation at the beginning of the course. The student must also complete a minimum of 75 hours to a maximum of 225 hours of paid work; or a minimum of 60 hours to a maximum 180 hours of unpaid or volunteer work per unit per semester. Students may take up to 16 units total across all Work Experience course offerings. This course may be taken up to four times when there are new or expanded learning objectives. Only one Work Experience course may be taken per semester.

WEXP 498 Work Experience in (Subject)

Units: 1 - 4
Hours: 60 - 300 hours LAB
Prerequisite: None.
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.
Transferable: CSU
General Education: AA/AS Area III(b)

According to Title 5, code 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience Instructor to best meet the students level of learning. The student will be required to attend an orientation at the beginning of the course and complete a minimum of 75 hours to a maximum of 300 hours of paid work; or a minimum of 60 hours to a maximum 240 hours of unpaid work per unit per semester. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.

Administrators, Faculty, and Staff

College Administrators

President

Gutierrez, Michael (2017)
President
B.A., Princeton University
M.P.A., University of Texas at Austin, Lyndon B. Johnson School of Public Affairs

Vice Presidents

Brown, Davin (2020)
Vice President, Student Services
B.A., Cal Poly, San Luis Obispo
M.A., California State University, San Bernardino
Ed.D., Drexel University

Garcia, Albert J. (2018)
Vice President, Instruction
B.A., California State University, Chico
M.F.A., University of Montana
Ed.D., Benedictine University

Smith, Stephanie (2021)
Vice President, Administration (Interim)
A.A., American River College
B.A., M.B.A., California State University, Sacramento

Associate Vice President

Dixon, John (2021)
Associate Vice President, Enrollment and Student Services
B.A., M.A., Oregon State University
Ed.D., University of The Pacific

Hodge, Rick (2021)
Associate Vice President, Instruction, Workforce and Economic Development
B.S., Oregon State University
B.A., Walla Walla College
MDiv., Andrews University

Ikegami, Robin (2021)
Associate Vice President, Instruction and College Initiatives
B.A., M.A., California State University, Sacramento
Ph.D., University of Michigan

Deans

Anderson, Tanya (2007)
Dean, Engagement and Completion
B.A., University of California, Davis
M.A., California State University, Sacramento
Ed.D., University of the Pacific

Bates, Rukiya (2019)
Dean, Retention and Persistence
B.A., Dillard University
M.A., California State University, Sacramento

Campbell, Mitchell L. (2007)
Dean, Kinesiology, Health and Athletics
B.S., University of California, Davis
M.A., California State University, Humboldt

Coleman, Andre V. (2019)
Dean, Student Intervention and Success
B.A., Occidental College
M.S., California State University, Long Beach
Ph.D., Touro University

Gaytan, Andrea (2018)
Dean, Davis Center
B.A., University of California, Davis
M.A.T., School of International Training, Vermont

Giordano, Rose (2022)
Interim Dean, Science and Allied Health
B.S., Drexel University
Ph.D., University of California, Davis

Lambert, Angelena (2020)
Dean, Mathematics/Statistics, and Engineering
B.A., M.A., California State University, Sacramento

Lee, Dennis (2020)
Dean, Behavioral and Social Sciences
B.A., Miami University
M.A., University of Akron

Leonard, Patti (2020)
Dean, Humanities and Fine Arts
B.A., California State University, Long Beach
M.A., Pepperdine University

Molina, Miguel (2018)
Dean, Connection and Onboarding
B.A., M.A., California State University, Sacramento
Ph.D., University of California, Davis

Pitman, Gayle (2020)
Dean, Planning, Research, and Institutional Effectiveness
B.A., Tufts University
M.A., Ph.D., California School of Professional Psychology

Saks, Deborah (2012)
Dean, Business and Computer Information Science Division
B.S., M.B.A., Ph.D., Indiana University

Selva, Marci (2021)
Dean, Language and Literature
B.A., University of California, San Diego
M.A., California State University, Sacramento

Snowden, Robert (2020)
Dean, West Sacramento Center
B.A., San Jose State University
M.A., Pepperdine University
Ed.D., University of San Francisco

Sosa, Kirk R. (2018)
Dean, Information Technology
M.B.A., Brandman University

Additional Senior Leadership Members

Austin, Victoria (2019)
Regional Director, Office of Philanthropy
B.A., Santa Clara University
M.A., University of Chicago

Chavez-Hernandez, Rosana (2018)
Director, H.S.I. Grant Project Director
B.A., M.S., California State University, Sacramento

Collignon, Kaitlyn (2017)
Communications & Public Information Officer
B.A., California State University, Chico

Cox, Valerie (1992)
Police Captain, LRPD
B.A., University of California, Davis
M.B.A., University of Phoenix

Hyde, Maria (2008)
Manager, College Store
B.S., California State University, Sacramento

Margaret Lednicky (2016)
Director, Administrative Services
B.Arch., University of Kansas

Mountain, Carel (2016)
Director, Nursing Programs
A.S., Pacific Union College
B.S., Pacific Union College
M.S.N., Sonoma State University
D.N.P., California State University, Fresno

Ramirez, Martin (2017)
Director, HSI-Science, Technology, Engineering, Mathematics (STEM)
A.A., American River College
B.A., California State University, Northridge
M.A., California State University, Sacramento

Faculty

Ackerman, Alexis L. (2005)
Biology (Animal Biology)
B.A., Barnard College / Columbia University, New York
M.S., Ph.D., University of California, Davis

Adkins, Jason (2019)
Art
B.F.A., California State University, Chico
B.F.A., Walla Walla College, College Place
M.F.A., San Jose State University

Allen, Randy K. (2014)
Photography/Journalism
A.A., Sacramento City College

Alviar-Agnew, Marisa (2007)
Chemistry
B.S., University of the Philippines
M.S., Ph.D., University of California, Davis

Anderson, Catherine (2016)
Art History/Humanities
B.A., University of California, Davis
M.A., University of California, Davis
Ph.D., Brown University

Anderson, Kevin M. (2001)
Computer Information Science
B.S., California State University, Fresno
B.S., M.B.A., California State University, Stanislaus
Microsoft Certified Trainer (MCT)
Microsoft Certified Systems Engineer (MCSE)
Microsoft Certified Database Administrator (MCDBA)
Microsoft Certified Professional + Internet (MCP + I)
Cisco Certified Network Associate (CCNA)
Certified Novell Engineer (CNE)
Linux Certified Professional (LCP)
A+ Certified Service Technician (A+)
Network + (N+) i-Net + (inet +)

Armstrong, Dana (2016)
English
B.A., University of California, Berkeley
M.A., University of California, Davis

Arya, Palwasha (2008)
Biology
B.A., California State University, Hayward
M.S., California State University, Sacramento

Atkins, Tonya (2019)
Chemistry
B.S., M.S., California State University, Fresno
Ph.D., University of California, Davis

Austin, Grace W. (2008)
Psychology
B.A., Western Connecticut State University
M.A., Marist College

Avendano, Marisa (2005)
Kinesiology, Health, and Athletics
B.S., B.A., M.S., California State University, Sacramento

Bacod, Maristella L. (2001)
Counselor
A.A., Cosumnes River College
B.A., M.S., California State University, Sacramento

Bahhur, Riad N. (2002)
History/Coordinator, International Studies Program
B.A., Ohio State University
M.A., Georgetown University

Barbaria, Miriam G. (1999)
Spanish
B.A., M.A., California State University, Sacramento

Bazos, Andreas (2019)
Mathematics
A.S., Modesto Junior College
Certification, Community College Teacher Preparation Program, California State University, Sacramento
Certification, Marine Diving Technologies, Santa Barbara City College
B.S., California State University, Sacramento
M.S., University of California, Davis

Belair, Diane M. (2004)
Counselor
M.S., Oregon State University/Western Oregon State College

Block, Angela M. (1996)
Sociology
B.S., University of Santa Clara
M.A., California State University, Hayward

Boguski, Mark (2007)
Ceramics
B.A., Pitzer College
M.F.A., Alfred University

Bomberry, Deskaheh D. (2007)
Kinesiology, Health, and Athletics/Assistant Baseball Coach
B.S., Sonoma State University
M.S., Eastern Kentucky University

Borenstein, Jennifer (2019)
Economics
B.S., University of California, Berkeley
M.S., Goldman School of Public Policy, University of California, Berkeley
M.S., Thunderbird School of Global Management, Arizona State University

Borowczyk, Ewa (2022)
Biology
B.S.; M.S., University of Warmia and Mazury, Poland
M.B.A., Point Park University, Pittsburg
Ph.D., North Dakota State University

Boyd, Halsey (2017)
Mathematics Lab Coordinator
B.S., M.S., University of Calgary

Bui, Dinh (2007)
Counselor
B.A., M.S., California State University, Sacramento

Buonauro, John (2014)
Mechanical-Electrical Technology
Joint Journeyman Apprentice Training Center H.V.A.C., Apprenticeship Local 250, Los Angeles
A.A., Cosumnes River College

Burg, Thomas (2016)
Aeronautics/Flight Technology
American Management Association - Online Teaching Certification - Level 1
Teaching English to Speakers of Other Languages (TESOL),

Certification
B.S., Rollins College

Burns, Mildred (2019)
Physical Therapist Assistant
A.S., De Anza College

Button, Donald (2006)
Graphic Communication
Certificate of Achievement, Collins Graphic Design School, Tempe

Camarena, Sandra (2012)
Economics
B.A., California State University, Chico
M.A., University of California, Davis

Cantillo, Fernando (2019)
Computer Information Science
B.S., University of Laverne, California
M.S., University of Maryland

Capaletti, Thomas (2008)
Graphic Communication
Certificate, Digital Illustration and Image Editing, Sacramento City College
A.A., Fashion Institute of Design and Merchandising, San Francisco
B.A., University of California, Los Angeles

Carbary, Kathleen (2015)
Psychology
B.A., Reed College
M.A., Ph.D., University of Rochester, New York

Carberry-Goh, Karen (2005)
Biology (Microbiology)
B.S., D.V.M., M.P.V.M., University of California, Davis
Ph.D., Cornell University

Carmazzi, Paul L. (1991)
Kinesiology, Health, and Athletics
A.A., Sacramento City College
B.S., M.A., M.B.A., California State University, Sacramento

Castagna, Christine (2019)
Geography
B.A., California State University, Sacramento
M.A., Ph.D., University of Hawaii, Manoa

Caton, Haynalka (2019)
Mathematics
B.S., University of the Pacific, Stockton
M.S., University of California, Santa Barbara

Cerri, Dominic A. (2006)
History
B.A., M.A., California State University, Sacramento
Ph.D., University of Wisconsin, Madison

Chevraux-FitzHugh, Adrian (2008)
Sociology
B.A., M.A., Humboldt State University

Chubbic, Dena (2007)
Chemistry
B.S., Azusa Pacific University
M.S., University of California, Los Angeles

Church, Kimberly (2006)
Communication
B.A., California State University, Sacramento
M.A., San Diego State University, San Diego

Cirrone, Steve (2006)
English
B.A., State University NY Binghamton
M.A., Ph.D., Claremont Graduate University

Clark, Kevin E. (2002)
Sign Language Studies
B.A., Gallaudet University
M.S., California State University, Northridge

Copely, Douglas M. (1999)
Physics
A.B., Occidental College
M.S., Ph.D., University of Colorado

Coppola, Jessica D. (2005)
Nutrition
A.S., Santa Rosa Junior College
B.S., Ph.D., University of California, Davis

Cornelius, Victoria L. (2002)
Counselor (Athletics)
A.A., Fullerton Community College
B.A., University of California, Riverside
M.S., California State University, Sacramento

Costello, Linda D. (2014)
Accounting
M.S., Golden State University

Crandley, Patrick A. (2008)
Graphic Design
B.A., M.A. Ed., California State University, Sacramento

Crumpton, Debra J. (2009)
Business
A.A., Fort Steilacoom Community College, Tacoma
B.A., University of Puget Sound, Tacoma
M.B.A., Golden Gate University, San Francisco
Ph.D., Walden University, Minneapolis

Cypret, Phillip B. (1984)
Aeronautics
A.S., Sacramento City College
B.S., Southern Illinois University
M.S., National University

Dale, Nicholas (2018)
Mathematics
A.A., San Joaquin Delta College
B.S., California State University, Sacramento
M.S., University of West Florida

Dana, Maureen L. (2000)
English
B.A., University of California, Santa Barbara
M.A., Ph.D., Claremont Graduate University

Dao, Binh C. (2015)
Chemistry
B.S., Ph.D., University of California, Davis

Davis, Craig A. (2000)
Geography
B.S., University Nebraska of Omaha
M.A., University of Kansas

Davis, Kia Rose (2019)
Counselor, Disabled Students Program and Services
B.A., California State University, Los Angeles
M.A., John F. Kennedy

Davis, Tony P. (2009)
Counselor
B.S., M.S., California State University, Chico

DeGennaro, Paul (2007)
Biology
B.S., California State University, Chico
M.S., California State University, Hayward
Ph.D., University of California, Davis

Deglow, Annette (1964)
Mathematics
B.S., University of Oregon
M.S., University of Arizona
M.L.S., California State University, Sacramento

De Guzman, Emmylou (2017)
Nursing, LVN
B.S.N., Martinez Memorial College
M.S.N, University of La Salette

Delaini, David (2019)
Administration of Justice
B.S., California State University, Sacramento
J.D., University of the Pacific, McGeorge School of Law

DeMartini, Dawna L. (2015)
English
B.A., M.A., California State University, Sacramento

DeMey, Suzanne L. (2015)
Accounting
A.A., Antelope Valley College
B.S., California State University, Northridge
M.B.A., California State University, Sacramento

Dennis, Mark (2014)
Psychology
B.A., M.S., University of South Alabama

DeSouza, Kara (2022)
Psychology
A.A., Paradise Valley Community College, Phoenix
B.S., Arizona State University
M.S.; Ph.D., University of Nevada, Reno

Dewar Jr., Robert E. (2004)
Kinesiology, Health, and Athletics
B.A., California State University, Stanislaus
M.A., University of Phoenix

Dibble, Cindy (2016)
Mathematics
B.S., University of California, Berkeley
M.A., California State University, Fullerton

Doonan, William F. (1999)
Anthropology
B.A., Brown University
M.A., Ph.D., Tulane University

Doron, David A. (2017)
Physical Therapist Assistant
B.S., California State University, Chico
M.P.T., California State University, Sacramento
D.P.T., A.T. Still University

DuVernay, Tara N. (2015)
Mathematics
A.A., Yuba Community College
B.A., Humboldt State University
M.A., California State University, Sacramento

Estabrook, Paul (2007)
Photography
A.A., Sacramento City College
B.S., M.S., California State University, Sacramento

Fabionar, David E. (2002)
Communication
B.S., M.A., California State University, Sacramento

Fasman, Lyudmilla (2005)
Mathematics
B.S., M.A., San Francisco State University

Felker, Jeffery J. (2015)
English
A.A., American River College
B.A., M.A., California State University, Sacramento

Fellman, Melissa (2011)
Dental Health
B.S.D.H, Loma Linda University, CA
M.P.H, University of Nevada, Reno
Ed.D., University of Nevada, Reno

Fitzpatrick, Kenneth E. (1999)
Engineering Design Technology
B.S., Oakland University
Licensed Mechanical Engineering, State of California

Fonda, Gioia (2008)
Art Paint/Draw
B.F.A., California College of Arts
M.F.A., School of Visual Arts, New York

Frank, Paul E. (2001)
Political Science
B.A., California State University, Fresno
M.A., Northeastern University
Ph.D., Boston University

Frazier, Surangi (2015)
History
B.A., University of California, Irvine
M.A., University of California, San Diego

Freas, Adam (2008)
Counselor, EOP&S
B.A., M.S., California State University, Sacramento

Fuertes, Andrea (2021)
Coordinator, EOP&S
B.A., M.A., California State University, Chico

Gales, Marques (2019)
Kinesiology, Health & Athletics (Head Wrestling Coach)
A.S., Santa Rosa Junior College
B.S., San Francisco State University
M.S., Springfield College, Massachusetts

Ganas, Josephine (2019)
Dental Hygiene
A.S., American River College
A.S., De Anza College
A.S., Folsom Lake College

A.S., Fresno City College
A.S., Sacramento City College

Garcia, Mari Carmen (2005)
Spanish
B.A., California State University, Sacramento
M.A., Ph.D., University of California, Davis

Gary, Lara K. (2002)
English
B.A., M.A., California State University, Fresno
Ph.D., University of California, Davis

Gentry, Richard (2016)
Mechanical Electrical Technology (MET)
Certificate of Accomplishment, Pentair Water Training, Sacramento

Gilley, Shannon R. (2007)
Counselor
B.S., Texas A & M University
M.S., California State University, Sacramento

Gillies-Doherty, Laura (2022)
Chemistry
Certification, Entrepreneurship and Business Development, University of California, Davis
B.S., Washington State University
Ph.D., University of California, Davis

Giovannetti, Lynne R. (2008)
Fashion
A.S., A.A., College of Marin
B.A., San Francisco State University
M.F.A., Dramatic Arts, University of California, Davis

Glynn, Mariel (2019)
Counselor, HSI-SESI
B.A., University of California, Davis
M.S., California State University, Sacramento

Goehring, Kevin S. (2015)
Aeronautics
A.S., Sacramento City College
Certification, Community College Teacher Preparation Program, California State University, Sacramento
B.S., New England College of Business
M.S., Embry-Riddle Aeronautical University

Gomez, Tracey L. (2010)
English
B.A., California State University Stanislaus, Turlock
M.S., Walden University, Minneapolis

Gomez, Wendy (2008)
College Nurse
B.S.N., P.H.N., M.S.N., School Nurse
Credential, California State University, Sacramento

Gonzales, Stephen T. (2001)
Mathematics
B.S., M.S., California State University, Chico

Gonzalez, Mauricio (2005)
Counselor
A.A., Cuesta Community College
B.A., Sonoma State University
M.A., San Jose State University

Goodchild, Rebecca (2017)
Public Services Librarian
B.A., California State University, Sacramento
M.A., San Jose State University

Goodwin, Jason (2021)
Nursing
B.S.N., University of Southern California
M.S.N., University of Massachusetts

Gould, Kelly L. (2004)
Administration of Justice
B.A., Central University of Iowa
M.S.W., California State University, Sacramento

Graybill, Stuart D. (2001)
History
B.A., M.A.T., Ph.D., University of California, Davis

Green Jaque (2021)
Nursing
B.A., Grambling State University
B.S.N., National University, Fresno
M.S.N., Western Governors University

Greenwell, Andrea (2002)
Biology
B.S., University of California, Davis
M.S., University of Nevada, Reno

Griffin, David A. (1995)
Kinesiology, Health, and Athletics
B.A., California State University, Chico
M.A., National University

Griffin, Susan E. (2008)
Writing Center
B.A., M.A., California State University, Fresno
Ph.D., State University of New York at Stony Brook

Grofe, Michael J. (2015)
Anthropology
B.S., University of Miami
M.A., California Institute of Integral Studies
Ph.D., University of California, Davis

Guzman, Sandra (2013)
Counselor
B.A., California State University, Chico
M.A., University of San Francisco

Handy, Mae Frances (Fran) (2005)
Cosmetology
A.A., Sacramento City College
A.A., San Jose City College

Hanson, Jon S. (2001)
English
B.A., M.A., California State University, Sacramento

Hanson, Luther E. (1999)
Theatre Arts & Film
B.A., M.F.A., University of Irvine
M.A., San Diego State University

Hanson, Steve A. (2015)
Head Intercollegiate Aquatics Coach
Women's Water Polo, Men & Women's Swimming
B.A., Santa Clara University
M.S., California State University, Sacramento

Harris-Jenkinson, Patricia M. (1999)
Instructor/Coordinator, Speech Communication
B.S., M.A., California State University, Sacramento

Harvey, Jonathan (2006)
Counselor
B.S., Northwestern University
M.S., John F. Kennedy University

Heningburg, Keith R. V. (1999)
History
A.A., Washtenaw Community College
B.S., M.A., Eastern Michigan University
M.A., University of California, Davis

Herlihy, John (2016)
Kinesiology/Football Coach
A.A., Sacramento City College
B.A., University of California, Davis
M.S.S., United States Sports Academy

Hernandez-Chaidez, Adan (2019)
Counselor
B.A., University of California, Davis
M.S., California State University, Sacramento
Ed.D., California State University, Sacramento

Hodge, Tracey (2013)
Coordinator, Work Experience
A.S., Lehigh County Community College
B.V.E., California State University, Sacramento
M.A., Chapman University

Hoerl, Ada B. (2007)
Occupational Therapy Assistant
A.S., Sacramento City College
B.S., Rochester Institute of Technology
M.A., California State University, Sacramento
Certified Occupational Therapy Assistant/Licensed

Holland, Gina (2006)
Biology
B.A., Indiana University-Bloomington
Ph.D., University of Wisconsin, Madison

Holt, Julie A. (1999)
Nursing
B.S.N., California State University, Chico
M.S.N., University of Colorado Health Science Center

Huang, Ling (2001)
Chemistry
B.S., East China Normal University, Shanghai
Ph.D., University of California, Davis

Hwang, Joel (2016)
Chemistry
B.S., National Tsing Hua University
Ph.D., University of California, Davis

Jackson, Charisse (2020)
Nursing
A.A., Sacramento City College
B.S., University of Phoenix
Allied Health Sciences Certification, Air University Community College of the Air Force

Jauregui, Lorena (2018)
MESA/CCCP Coordinator
B.S., University of California, Davis
M.S., California State University, Sacramento
D.E., UC Davis and Sonoma State University

Jean-Gilles, Reginald (2019)
Business
A.S., Sacramento City College
B.S., San Diego State University
M.S., Capella University

Jensen, Andre M. (2009)
Philosophy
A.A., Modesto Junior College
B.A., California State University, Stanislaus
M.A., University of California, Davis

Johnson, Denise M. (2005)
Biology (Anatomy & Physiology)
B.S., University of California, San Diego
M.S., University of California, Davis

Johnson, Ilana (2013)
Anthropology
B.A., University of Michigan
M.A., University of California, Los Angeles
Ph.D., University of California, Los Angeles

Johnson, Lawrence F. (1999)
Aeronautics
A.S., Chaffey College
B.S., California State Polytechnic University, Pomona

Jones, Andrew B. (2001)
Kinesiology, Health, and Athletics
B.A., University of California, Berkeley
M.S., California State University, Sacramento

Jones, Christine (2016)
Dental Hygiene
A.S., Sacramento City College
A.S., Santa Rosa Junior College
B.S., Northern Arizona University

Jue, Jordan (2019)
Librarian
B.A., Santa Clara University
M.L.I.S., University of Washington

Kaina, Abdelaziz (2017)
Computer Information Science
Certificate, Denver Technical College
M.S., Keller Graduate School of Management
M.S., New Mexico Institute of Mining & Technology

Karlsen, Jeffrey (2008)
Public Librarian
B.A., M.A., University of California, Berkeley
M.L.I.S., San Jose State University

Kawamura, Sandra Y. (2001)
English As A Second Language
B.A., University of California, Davis
M.A., California State University, Sacramento

Kem-Rivera, Toladette (2019)
Human Career Development Instructor, Disability Services and Programs for Students
B.S., M.S., California State University, Sacramento
Learning Disability Specialist, California State University, Sacramento, Chancellor's Certification

Keys, Alan S. (2000)
Psychology
B.A., California State University, Northridge
M.A., Ph.D., University of California, Los Angeles

Kirkpatrick, Nadine (2009)
Nutrition
B.S., Ph.D., University of California, Davis

Knorr, Jeffrey S. (2001)
English
B.A., M.A., California State University, Chico
M.F.A., Ashland University

Knudson, Kandace (2016)
Distance Education Coordinator
B.A., M.A., California State University, Sacramento
Ph.D., University of California, Davis
M.P.H., San Jose State University

Krofchock, Bryan M. (2014)
Computer Information Science
B.S., M.S., Georgia State University

Laird, Hayley (2016)
English
B.A., University of California, Santa Cruz
M.A., San Francisco State University

Lake, Brienne (2019)
Dental Hygiene
A.S., Sacramento City College
A.S., Santa Rosa Junior College

Lam, George (2019)
Economics
B.A., M.A., California State University, Sacramento

Lane, Tammie R. (2012)
Dental Assisting
Certificate, Western Career College
A.A., Sierra College
B.A., National University
M.B.A., University of Phoenix

Larson, Carillon (Lonnie) J. (2001)
Mathematics
B.A., M.A., California State University, Sacramento

Leonard, Duane (2013)
English As A Second Language
B.A., University of New Brunswick, Saint John
M.A., Ph.D., University of California, Davis

Lepe, Leonela (2015)
Counselor
B.A., San Diego State University
M.S., California State University, Sacramento

Lewis, Ann (2001)
English
A.S., Yuba College
B.A., University of California, Davis
M.A., California State University, Sacramento

Limon Guzman, Jesus (2016)
English
A.A., Sacramento City College
B.A., M.A., California State University, Sacramento

Lindell, Pamela N. (2001)
Anthropology
B.A., California State University, Humboldt
M.A., Ph.D., University of Nevada, Reno

Little, Myra (Sheley) (2010)
Computer Information Science
B.A., National University, Sacramento
M.A., California State University, Sacramento

Logan, Shane (2016)
Sociology
A.A., Mira Costa Community College
B.A., University of California, Santa Barbara
M.A., University of California, Davis

Loomis, Debora A. (1994)
English As A Second Language
B.A., M.S., M.A., California State University, Sacramento

Lopez, Antonio J. T. (2015)
Public Services Librarian
B.A., Humboldt State University
M.L.I.S., University of California, Los Angeles

Lorenz, Norman (2008)
Early Childhood Education
Certificate, Montessori Teachers College, Sacramento
Certificate, Montessori Teachers, San Diego
B.A., M.A., California State University, Sacramento

Lucas, Andrea K. (2008)
Spanish
B.A., Universidad de Concepcion, Chile
M.A., California State University, Sacramento

Lucien, Darreis V. (1988)
Nursing
A.A., El Camino City College
B.S.N., Long Beach State University
M.N., University of California, Los Angeles

Luera, Frank (2019)
Business
Certified Public Account (CPA)
B.A., M.B.A., San Diego State University

Lum, Belinda C. (2015)
Sociology
B.A., University of California, Santa Cruz
M.A., Ph.D., University of Southern California

Maeda, Richard (2017)
Nursing
Licensed Vocational Nurse, Community College of the Air Force
B.A., B.S., DeVry University

Malik, Jamil (2015)
Counselor
A.A., American River College
B.S., University of Maryland
M.S., National University, Sacramento

Maloney, Lori A. (1988)
Mathematics
A.A., Santa Rosa Junior College
B.A., San Francisco State University
M.A., Ph.D., University of California, Davis

Marquez, Sabrina (2020)
Cosmetology

A.A., San Joaquin Delta College
B.A., California State University, Turlock

Manriquez, Paul (2006)
Mathematics
B.S., California State University, Los Angeles
M.S., University of California, Riverside

Manuel, Mara L. (2007)
Nursing
B.S.N., M.S.N., California State University, Sacramento

Marks, Carrie S. (2013)
English
A.B., Harvard College
M.A., Middlebury College

Marshall, Doris (2016)
Nursing, VN
Diploma Nursing, LAC-USC School of Nursing
B.S.N., California State University, Dominguez Hills
M.S., University of California, San Francisco

Martinez, Jesus E. (1994)
Mathematics
A.A., East Los Angeles College
B.A., M.S., California State University, Los Angeles

Masterson, Patricia J. (1999)
Sign Language Studies
A.A., Sacramento City College

May, Alexander R. (1996)
Mathematics
B.A., M.A., California State University, Sacramento

May, Virginia S. (1997)
Mathematics
B.A., M.A., California State University, Sacramento

McDaid, Liam I. (2001)
Astronomy
B.S., Pennsylvania State University
M.S., New Mexico State University (Astronomy)
M.A., New Mexico State University (Physics)

Medina, Renee M. (2001)
Mathematics
B.A., M.A., California State University, Sacramento

Mendez-Nunez, Luis R. (1999)
Mathematics
B.S., M.S., University of Madrid
Ph.D., University of Davis

Mesa, Felicia B. (2018)
Nursing
B.S., San Jose State University
M.S., University of California, San Francisco

Miller, Nicholas (2007)
Sociology
B.A., Pacific University, Forest Grove
M.A., University of California, Davis

Miller, William JW. (2000)
Chemistry
B.S., University of Delaware
Ph.D., University of California, Davis

Mukarram, Abida (2017)
Computer Information Science
M.S., University of Bombay
Ph.D., University of Oxford

Muraki, Keith T. (1991)
Counselor
B.S.W., M.S.W., San Francisco State University

Muther, Shantra H. (2008)
English As A Second Language
B.A., University of California, Davis
M.A., California State University, Sacramento

Myers, Linda (2016)
English
B.A., M.A., California State University, Sacramento

Myers, Troy A. (1999)
English
B.A., M.A., California State University, Long Beach
M.F.A., University of Southern, Maine

Nash, Laurie J. (2003)
Kinesiology
A.A., American River College
B.A., California State Polytechnic University, Pomona
M.A., California State University, Sacramento

Newman, Toni J. (2015)
Counselor, Disabled Students Program and Services
A.A., American River College
B.S., University of Maryland
M.S., National University, Sacramento

Ngassam, Valery (2017)
Physics/Astronomy
B.S., University of Yaoundo'e
M.S., University of Douala
M.S., University of Yaound'e
Ph.D., University of Paris XI Orsay

Nguyen, Anh (2015)
Counselor
B.S., B.A., University of Irvine
Ph.D., University of Southern California

Nuttall, Gabriella G. (2005)
English As A Second Language
B.A., Universita degli Studi, Lecce, Italy
M.A., California State University, Sacramento

Ochoa, Gerardo (2022)
Chemistry
B.S., Texas State University
Ph.D., University of California, Davis

Oh, Jang-Ha (2002)
Kinesiology
B.S., M.Ed., Seoul National University

Olivarez, Norma (2007)
Cosmetology
Certificate, Dermal Institute, Sacramento
Certificate, Paul Mitchell, Costa Mesa
B.A.S.M., University of Phoenix

Olsen, Nancy (2006)
English
B.A., California State University, Los Angeles
M.A., Ph.D., University of California, Davis

Paden, Sylvia (2018)
Nursing (RN)
A.S., Sacramento City College
B.S., California State University, Sacramento
M.S., University of Michigan, Flint

Parker, Leslie (2005)
Counselor, Learning Disabilities Specialist Disabled Students Program and Services
B.A., University Of California, Los Angeles
M.A., California State University, Sacramento
M.S., University of Laverne

Parks, Karen (2013)
Computer Information Science
CLAD Certificate, University of San Diego Teaching Credentials
Business, Chapman University
A.A., Merced College
B.S., California State University, Stanislaus
M.B.A., California State University, Dominguez Hills

Patton, Sherri L. (2001)
History
B.A., San Francisco State University
M.A., University of California, Davis

Paulson, Daniel I. (2014)
Music
B.M., California State University, Sacramento
M.M., California State University, Los Angeles

Pease, Dyan (2002)
Business/Management
B.A., M.B.A., San Diego State University

Perry, Laurie M. (2000)
Instructor/Coordinator, Early Childhood Education
B.A., University of Montana
M.S., University of California, Davis
Program for Infant Toddler Caregiving Trainer
Child Development Center Program Director Permit

Peterson, Terry (2016)
Studio Art (3D)
A.A., Shasta College
B.A., University of California, Santa Barbara
M.F.A., University of California, Davis

Petite, Lori M. (2008)
Communication
A.A., American River College
B.A., M.A., California State University, Sacramento

Piedra, Erica A. (2007)
Spanish/French
B.A., California State University, Fresno (French/Spanish)
Ph.D., University of California, Davis (French)

Piscopo, Holly A. (2006)
History (U.S. and Asian)
B.A., San Diego State University
M.A., University of California, Santa Cruz

Poe, Kathleen (2006)
Music
B.M., M.M., California State University, Sacramento

Pogue, Brian (2016)
Instructional Development Coordinator
Single Subject CA Teaching Credential, California State University, Sacramento
B.A., California State University, Chico
M.A., California State University, Sacramento

Polagruto, John (2006)
Nutrition
B.S., M.S., University of Massachusetts, Amherst
Ph.D., University of California, Davis

Poliseno, Michelle (2019)
Mathematics
A.S., American Intercontinental University, Schaumburg
B.S., Old Westbury, New York
M.S., San Francisco State University

Posz, Pamela A. (1998)
Librarian
B.A., University of California, Davis
M.S., University of Illinois

Prado, JoAnna (2002)
English As A Second Language
B.A., B.S., University of Utah
M.A., Brigham Young University

Prudhel, Bradley (2018)
Mechanical Electrical Technology
Certification, RSES Universal EPA Refrigerant Handling
Certification, Liebert ICOM
Certification, United Association of Steam Filters and Pipefitters Star

Quandt, Timothy (2013)
Philosophy
B.A., M.A., Taylor University
Ph.D., Claremont Graduate University

Ramsey, Robert A. (2019)
Mathematics
Certified SAS Programmer, Statistical Applications Software (*SAS), Statistical Programming Language R
B.S., University of California, Berkeley
M.S., California State University, Hayward

Rangel, Makeba (2007)
English
B.S., California State University, Portland
M.A., University of California, Riverside
M.A., California State University, San Bernardino

Regalado, Maria C. (2005)
Psychology
A.S., Yuba College
B.A., M.A., Ph.D., California State University, Sacramento

Richard, Loretta (2014)
Tutorial Services Coordinator
B.A., Butler University
M.S., Capella University

Richardson, Michael B. (1986)
Physics
B.A., California State University, Sacramento
M.A., University of California, Davis

Roberts, Joshua (2006)
English
B.A., M.A., California State University, Sacramento

Roffey, Robin A. (1997)
Biology
A.A., Santa Fe Community College

B.S., University of Florida
Ph.D., Ohio State University

Rohret, Valerie A. (2000)
Art History
B.A., M.A., University of Utah
Ph.D., University of Iowa

Rojas, Karla (2018)
Mathematics
A.A., Los Medanos College
B.S., University of California, Davis
M.S., San Francisco State University

Romero, Danny A. (2003)
English
B.A., University of California, Berkeley
M.A., Temple University

Romero, Jesus Jr. (2020)
Mathematics
A.S., Citrus Community College, Glendora
B.S., M.S., California State Polytechnic University, Pomona

Rosenberger, Randy E. (1991)
Mathematics
B.S., California State University, Dominguez Hills
M.S., California State University, Los Angeles

Rowe, Stephanie (2018)
Accounting
B.S., Rutgers University
M.S., Keller Graduate School of Management

Ruedas, Sandra R. (2001)
Counselor, EOP&S
A.A., Sacramento City College
B.A., M.S., California State University, Sacramento
Pupil Personnel Services Credential

Sah, Tasneem K. (2017)
Coordinator/Counselor, College to Career
B.A., M.S., California State University, Sacramento

Sanford, Tricia (2016)
Mathematics
A.A., Skyline Community College
B.S., University of California, Davis
M.A., San Francisco State University

Sarte, Jaime M. (1999)
Biology
A.A., Ohlone College
B.A., University of California, Santa Cruz
M.A., San Jose State University

Schutte, Matthew L. (2008)
Mathematics
B.S., University of California, Berkeley
M.A.T., University of California, Davis

Scott, Mark (2019)
Administration of Justice
B.S., M.S., California State University, Sacramento

Seddon, Christopher T. (2001)
Coordinator, Technology Computer Laboratory
B.A., California State University, Long Beach
M.A., San Jose State University

Segal, Jonathan E. (2005)
Mathematics
B.A., M.A., California State University, Sacramento

Selva, Marcia L. (2000)
English
B.A., University of California, San Diego
M.A., California State University, Sacramento

Serafini, Lisa L. (1993)
Biology
B.S., University of Michigan
M.S., University of California, Davis

Shearer, Kirt (2016)
Commercial Music and Sound Recording Technology
B.S., Charter Oak State College
M.E.T., American College of Education

Shewa, Wondimagegn (2019)
Chemistry
B.S., Ph.D., University of California, Davis

Shiflet, Kurt (2006)
Music
Music Performance, Guitar Institute of Technology, Hollywood
B.M., M.A., California State University, Sacramento

Siu, Jennifer H. (1989)
Nursing
B.S.N., University of San Francisco
M.S.N., University of Texas, Health Science Center
Ed.D., California State University, Sacramento

Sjovold, Carl-Petter (2001)
History
B.A., University of California, Berkeley
M.A., Ph.D., University of California, Davis

Spangler, Rachel I. (2005)
English
B.A., University of California, Davis
M.A., California State University, Los Angeles

Stanton, Kathryn J. (2004)
Geology
B.A., Ph.D., University of California, Davis

Steever, Joseph (2007)
Mathematics
B.S., University of the Pacific
M.A., University of California, Berkeley

Stevenson, Elizabeth (2017)
Learning Skills and Tutorial Services Coordinator
B.A., Binghamton University
M.A., California State University, Sacramento

Stewart, Devoun (2018)
Chemistry
B.S., University of the West Indies, Mona
Ph.D., Howard University

Stone, Leila (2015)
Counselor
A.S., Woodland Community College
B.A., University of California, Davis
M.S., California State University, Sacramento

Strimling, Amy (2006)
Family Consumer Science/Early Childhood Education

A.A., American River College
B.A., M.A., California State University, Sacramento

Sullivan, Christopher (2018)
Biology
A.S., Santa Rosa Junior College
B.S., University of California, Davis
Ph.D., University of Arizona

Sullivan, Derek (2014)
Kinesiology, Health and Athletics
Head Baseball Coach
A.A., Social Sciences, Sacramento City College
B.S., St. John's University
M.B.A., California State University, Sacramento

Tedla, Dagne (1991)
Political Science
B.A., M.A., California State University, Sacramento

Tercho, Karen (2014)
Librarian
B.A., McGill University
M.L.I.S., University of Rhode Island

Thomas, D. Brett (1997)
English As A Second Language
B.A., Tufts University
M.A., Indiana University
M.A., University of California, Davis

Times, Kenneth J. (2008)
Counselor, Umoja-SBA / ASHE' Center
B.A., Howard University
M.S., California State University, Sacramento

Town, James (2016)
Business and Computer Information Science Lab Coordinator
B.S., University of Southern California
M.ED., University of Vermont
M.S., Georgia Institute of Technology

Tuifua, Amelia (2019)
Counselor
A.A., Sacramento City College
B.A., University of California, Berkeley
M.S.W., University of Southern California

Unzueta, Robert (2022)
Ethnic Studies
B.A., Saint Mary's College of California
M.A.S., San Jose, State University
Ph.D., University of Utah

Vargas-Onate, Jacqueline (2019)
Counselor
B.A., University of California, Riverside
M.A., San Jose State University

Villalba, Janelle E. (2021)
Nursing
Nursing License, California Nursing License
Nursing License, Arkansas Basic Life Support
B.S., San Diego State University
B.S.N, Johns Hopkins University, Baltimore

Waggoner, Camille (2008)
English
B.A., M.A., California State University, Sacramento

Wagner, Glennda G. (1999)
Nursing
B.S.N., Wichita State University
M.S., University of California, San Francisco

Walker, Dannie (2008)
Coach/Fitness
A.A., Hartnell Community College, Salinas
B.S., California State University, Sacramento
M.S., California University of Pennsylvania

Wallace, Shanda L. (2015)
Dental Hygiene
A.S., Cabrillo College
B.S.D.H., Loma Linda University

Waxman, Robyn M. (1999)
Graphic Communication
B.S., University of Delaware
M.F.A., California College of the Arts

Weinsheink, Shawn E. (2004)
Theatre Arts & Film
B.A., San Diego State University
M.F.A., San Francisco State University

Whipple, Charles H. (2002)
Sociology
A.A., Santa Rosa Junior College
B. A., University of California, Santa Barbara
M.A., San Diego State University
M.A., University of California, Santa Cruz

White, Alexandria (2018)
English
B.A., San Francisco State University
M.A., University of California, Santa Cruz

Williams, Nichelle (2008)
Counseling
B.S., San Jose State University
M.S., California State University, Sacramento

Wilson, Emily J. (2005)
Art
B.F.A., Utah State University
M.F.A., University of Arizona

Wong, Peter W. (2008)
Cosmetology
A.S., Sacramento City College

Woodmansee, Rick (2006)
Mathematics
B.S., University of California, Davis
M.S., Central Washington University, Ellensburg

Woolley, Nicole (1998)
Librarian
Certificate, Online Teaching, Cerro Coso College
B.A., California State University, Sacramento
M.L.I.S., Louisiana State University

Wu Ngai, Tsz Yan P. (2014)
Mathematics
B.S., University of California, Davis
M.A., California State University, Sacramento

Wyatt, David T. (1998)
Biology

A.S., American River College
B.S., M.S., California State University, Sacramento

Wyles, Eric J. (2018)
Engineering
B.S., California Polytechnic State University, San Luis Obispo
M.S., University of California, Davis

Xiao, Alex H. (2005)
Political Science
B.A., Beijing Foreign Language Institute, Beijing, China
M.A., Claremont Graduate University
M.A., Ph.D., University of Southern California

Xu, Lily (2016)
Computer Information Science Programming
M.S., Golden Gate University
M.S., University of Minnesota

Yaroshevich, Nataliya (2015)
Counselor, Disabled Students Program and Services
M.S., California State University, Sacramento

Young, Robert (2016)
Theatre Arts and Film
B.A., M.A., California State University, Sacramento
M.F.A., California College of the Arts

Zaragoza, Diana A. (2015)
Early Childhood Education
B.S., M.A., University of California, Davis

Zuercher, Connie A. (1989)
Kinesiology
Teaching Credential, Sacramento State University, Sacramento
B.A., University of California, Davis
B.A., German, University of California, Davis
M.A., Sacramento State University, Sacramento

Staff

Abboushi, Dalal
Business Division

Adamovich, Sarah
Financial Aid

Adams, Steven
Custodial Services

Adan, Alexander
Media Services

Aguirre-Barr, Silvia
Business Division

Alvarado, Jorge
Learning Resource

Ameerzada, Ahmad Sear
Instruction Office

Arreola, Daniel
Financial Aid

Ashley, Charlene
Learning Resources

Atai, Hamid
West Sacramento Center

Bachinsky, Irina
Administrative Services

Bailey, Scott
Humanities and Fine Arts

Banks, Callid
Science and Allied Health

Bender, Eduard
Custodial Services

Benedychuk, Vasyl
Information Technology

Bernstein, Stacy
DSPS

Bonner, Temperance
Financial Aid

Brotherton, Carly
Learning Resources

Brown, Reginald
Admissions and Records

Buckner, Brenda
Operations

Burbano, Jarom
Information Technology

Burks, Robert
City Café

Callaghan, James
Advanced Technology

Carpio, Kevin
Learning Resource

Caselli, Matthew
Kinesiology, Health and Athletics

Castelle, Michael
Custodial Services

Cavazos, Laura
Custodial Services

Cervantes, Alexander
Connection and Onboarding

Chekmarev, Vladimir
Custodial Services

Chekmareva, Anna
Learning Resources

Cheung, Man
Language and Literature

Childress, Creed
Advanced Technology

Chueh, Valerie
Engagement and Completion

Ciddio, Josephine
Administrative Services

Ciofi-Huang, Mei
Davis Center

Clay, Christine
Financial Aid

Colbert, Anthony
Custodial Services

Collignon, Kaitlyn
Public Information Office

Conger, Tami
Advanced Technology

Conver, James
Custodial Services

Cooper, Ruth
Custodial Services

Cotton, Vincent
Custodial Services

Cortez, Stephanie
Learning Resources

Cox, Kelly
Advanced Technology

Cull, Jay
Planning and Research

Dalske, Aurora
DSPS

Daly, Catherine
Learning Resources

Daniels, Diana
Davis Center

Dao, Tung
Custodial Services

D'Cruz, Margaret
Business Division

Decamp, Christine
Instructional Services

Delgadillo, Linda
Learning Resources

Diaz, Gabriela
Retention and Persistence

Divanyan, Andranik
Information Technology

Dolan, Mary T.
Instructional Services

Dorn, Kathleen
EOP&S

Doxon, Sara Alicia
Science and Allied Health

Driver, Tammi
Davis Center

Duques-Acacio, Melba
Financial Aid

Duran, Guadalupe
Science and Allied Health

Edwards, Elizabeth
Kinesiology, Health, and Athletics

Ellison-Vincent, Evan
Custodial Services

Esparza, Gabriel
Student Services

Facciuto, Meghan
Learning Resources

Flores, Baleria
Learning Resources

Florez, Robert
Custodial Services

Fong, Brandon
Outreach & Recruitment

Fong, Miriam
Humanities and Fine Arts

Foreman, Alisa
Financial Aid

Foster, Cassandra
DSPS

Franklin, Courtney
Outreach and Recruitment

Frazier, Melanie
Information Technology/Operations

Garcia, Coral
Business Services

Garcia, Jaime
Custodial Services

Garza, Delissa
EOP&S

S George, Margaret
Learning Resources

Gitonga, Michelle
Mathematics/Statistics and Engineering

Goff, Martha
Mathematics/Statistics and Engineering

Goff, Kimberly
Admissions and Records

Gonzalez, Paula
Transfer Center

Hale, Gary
Custodial Services

Hamilton, Terri
Humanities and Fine Arts

Harvey, Michael
Receiving

Hayden, Lisa
ASHE Student Center

He, Candy
Language and Literature

Her, Stephanie
Business Services Office

Hernandez, Andrea
Advanced Technology

Hernandez, Tania
Outreach and Recruitment

Herrera-Watanabe, Maria
Kinesiology, Health, and Athletics

Hill, James
Media Services

Hirkala, Carmen
Biology

Ho, Tiffanie
Planning and Research

Hoang, Lan
Planning and Research

Hockaday, Laurie
Business Division

Hughins, Jacob
Veterans Center

Ledesma, Kelly
Information Technology-WSC

Low, Jennifer
EOP&S

Jackson, David
Kinesiology, Health, and Athletics

Jaime Chavez, Beatrice
Humanities and Fine Arts

Jakab, Alena
Custodial Services

Jensen, Lydia
Science and Allied Health

Jimenez, Mayra
International Students

Karokhy, Azizullah
Science and Allied Health

Kaufman, Michael
Kinesiology, Health, and Athletics

Kekahu, Malissa
President's Office

Kelly, Robert
Information Technology

Knobloch Lili
Planning and Research

Knowles, Deborah
Student Leadership and Development

Kovalenko, Andrey
Makerspace

Kozikowski, Jacek
Davis Center

Kwong, Daniel
Information Technology

Lagat, Charito
Financial Aid

Lam, Peter
Information Technology

Lanham, Ashley
Language and Literature

Laugenour, John (Hunter)
Operations

Lee, Linda
Intervention

Lee, Jennifer
Learning Resources

Lee, Crystal
Public Information Office

Levy, Blanche
Admissions and Records

Li-Gherman, Cui
Chemistry

Linares, Fernanda
Child Development Center

Lind, Steven
Custodial Services

Lockhart, Valerie
RISE Program

Lockwood, David
Business Services Office

Lodzhanskiy, Natalya
West Sacramento Center

Loeza, Regina
Science and Allied Health

Lopez, Natalie
Science and Allied Health

Lor, Ge
Financial Aid

Love, Laura
Kinesiology, Health, and Athletics

Lusk, Kellie
City Cafe

Macias, Angeles
Counseling

Mack, Courtnee
Outreach and Recruitment

Maghanoy, Restituto
Duplicating Services

Marsant, Irina
DSPS

Martin, David
Learning Resources

McAnelly, Blair
EOP&S

Melo, Louisa
Operations

Mendoza-Marin, Margarita
Behavioral & Social Sciences

Mishra, Ashmeeta
West Sacramento Center

Montgomery, Michie
Media Services

Mosleh, Firas
DSPS

Moua, Lee
Student Services

Murillo, Catherine
Learning Resources

Nakano, Quinn
Graphic Impressions

Ngassam, Yolande Viviane
Science and Allied *Health*

Nguyen, My
Child Care Center

Nguyen, William
Business Division

Obi, Anthony
Business Division

Odipo, Denis
Operations

Oldham, Robert
Science and Allied Health

Osorio, Eduardo
Admissions and Records

Pair, Gerald
Custodial Services

Papke, Larry
Advanced Technology

Parker, Hannia
Instruction Office

Patino, Anita
Financial Aid

Pedersen, Dawn
Public Information Office

Perez, Cristina
Operations

Perry, Ariana
Counseling

Phillips, Catherine
Financial Aid

Pinkston, Kathryn
Learning Resources

Poole, Tamara
Kinesiology, Health, and Athletics

Pulskamp, Cailin
Financial Aid

Quiros-Hickey, Vivian
Financial Aid

Ramirez, Alexandra
Davis Center

Razo, Heather
Humanities and Fine Arts

Retter, Evelyn
Student Services

Reyes, Rocio
Learning Resources

Reyes-Quillin, Laura
Admissions and Records

Robertson, Velisa
CalWorks

Robinson, Yolanda
Child Development Center

Rodrian, Shannon
Science and Allied Health

Rodriguez, Jose
Custodial Services

Rodriguez, Rebeca
Mathematics/Statistics and Engineering

Romero, Daniel
Kinesiology, Health, and Athletics

Rose, Rosa
Engagement and Completion

Ruchko, Tatyana
Financial Aid

Rud, Yelena
Financial Aid

Ruiz, Javier
Admissions and Records

Ruiz, Maria
Counseling

Rust, America
Student Services

Sagaydak, Elena
Behavioral & Social Science

Sakaishi, Mitchell
Learning Resources

Salem, Hermenio
City Cafe

Sanders, Juanita
DSPS

Sathe, Michael
Operations

Sauber-Cavazos, Jacob
Custodial Services

Sekikawa, Allison S.
Graphic Impressions Reprographics

Seydel, Samuel
Business Division

Shah, Elizabeth
Language and Literature

Shewmaker, Nicholas
Operations

Shoffner, David
Custodial Services

Sholomytska, Nina
Mathematics/Statistics and Engineering

Shutak, Elizabeth
Learning Resources

Shyrochyna, Aksana
Instructional Services

Sieler, Gary
Custodial Services

Sivell, Nicole
Humanities and Fine Arts

Smith, Stephanie
Business Services Office

Smithson, Pamela
Custodial Services

Souza, Monica
Counseling

Stephens, Kelly
Student Services

Sterken, Dale
Information Technology

Stract, Jennifer
Humanities and Fine Arts

Sylvia, Alexander
Financial Aid

Takeda, Andrea
Graphic Impressions

Tang, Kenneth
Advanced Technology

Taylor, Jessica
Student Leadership and Development

Teh, Peng
Information Technology

Thao, Cha
Allied Health

Tharp, Kate
Child Development Center

Thornton, Crystal
Instructional Services

Tkachenko, Dmitriy
West Sacramento

Torres Martinez, Alejandro
West Sacramento Center

Tran, Danh
Custodial Services

Tran, Minh
CalWorks

Tsang, Jeremy
Information Technology

Tse, Ka Shun
Advanced Technology

Tuaeva, Alevtina
Mathematics/Statistics and Engineering

Tutunik, Valeriy
Learning Resources

Tuzza, Pamela
Financial Aid

Umphred, Kandy
Admissions and Records

Vang, See
Admissions and Records

Vang, Yee
Financial Aid

Vazquez, Luz
Davis Center

Vincent, Anthony
Custodial Services

Virdure, Amy
Operations

Waldorf-Sifuentes, Sol
Information Technology

Whittington, David
Kinesiology, Health, and Athletics

Williams, Harold
Science and Allied Health

Williams, James
Custodial Services

Williams, Kevin
Information Technology

Williams, Nicole
Admissions and Records

Wolf, Gary
Custodial Services

Wong, Laura E
Admissions and Records

Wong, Laura S
Admissions and Records

Wood, Richard
Information Technology

Wright, Amy
Custodial Services

Wyckoff, Tyler (Bryan)
Staff Resource Center

Xiong, Pinky
Graphic Impressions

Yamamoto, Valerie
Science and Allied Health

Yang, May
Counseling

Zakaryan, Ruzanna
Admissions and Records

Zanardelli, Marina
DSPS

Zarek, Sadat
Child Development Center

Zigler, Lauren
Business Services Office