SACRAMENTO CITY COLLEGE

2015 - 2016 CATALOG

Sacramento City College
3835 Freeport Boulevard
Sacramento, California 95822
(916) 558-2111
www.scc.losrios.edu

Los Rios Community College District

1919 Spanos Court
Sacramento, California 95825
(916) 568-3041

Dr. Brian King, Chancellor

2015-16 Board of Trustees

Kay Albiani
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Back cover art:

1 Darby Vickers
2 Salmon Cooper
3 Catherine Llarema
4 Stone Singh
5 Jessica Qu
6 Lilian Pryor
7 Naomi Pryor
8 Marissa Provost

All students from ART 322, Design: Image and Content, Professor Frank Zamora

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Notice to Students

The information contained in the catalog is advisory only and does not constitute a contractual agreement by the college or guarantee that course content will be strictly followed or fulfilled. The Board of Trustees and the Administration of the Los Rios Community College District reserve the right to change at any time, without notice, academic requirements to graduate, curriculum course content and structures, and such other matters as may be within their control, notwithstanding any information set forth in this catalog.

President's Message

Welcome to Sacramento City College! You have made an excellent choice in deciding to attend SCC and join an ever-growing corps of successful college students. Our commitment to student success is the clear focus of all we do. And, we have been doing this a long time. Our 100th anniversary as a college is 2016, and we look forward to celebrating that milestone. In addition, we infuse everything at SCC with our core values in mind. They are: celebrating diversity, nurturing personal growth, and inspiring academic and economic achievement. Our goal is to make your experience at SCC successful in terms of education, personal connections, positive experiences, and fond memories that will serve you well for years to come. Opportunities abound at SCC to help you reach your goals.

Celebrating Diversity. SCC's tradition of helping students from diverse backgrounds began with the first class of students in 1916. That group of six females was a remarkable testimony to diversity at that time. Since, SCC has grown to become one of the most diverse campuses in terms of economics, ethnicities, experiences, ages, and abilities anywhere. This diversity can be seen on the quad and in the classroom. Whether your desire is to transfer, earn an associate degree or certificate of achievement, or improve your basic skills proficiency, opportunities abound to honor your choices.

Nurturing personal growth. Making the leap to college can be challenging. At SCC we understand that and have built numerous programs and services to help ease the transition from high school or the professional world. Be sure to read through the Student Support Services section of this catalog (pages 19 to 22), for you will find useful descriptions of those programs and services. Opportunities abound to learn good study habits, responsible planning, teamwork, and a variety of other personal and academic skills. Please complete all the "Steps to Success," frequently visit our "411 for Success" webpage, and stop by the Transfer and Counseling centers to discover how to best reach your personal goals.

Inspiring academic and economic leadership. SCC is more focused than ever on enhancing the processes, resources, communications, and programs to guide and support students along their pathway to successful completion. With the statewide passage of the Student Success Act in 2012, SCC has worked to incorporate the Student Success and Support Program of 2013 and the Student Equity Plan of 2014 into all facets of college services and operations. Opportunities abound for collaborating and strengthening college systems to foster an exceptional learning environment.

Finally, Sacramento City College is a fully accredited institution of higher education, which confirms our excellence. Our commitment will continue through our centennial celebration – and beyond.

Most sincerely,

Kathryn E. Jeffery, Ph.D.
President

2015-2016 Academic Calendar

American River College - Cosumnes River College - Folsom Lake College - Sacramento City College

SUMMER SESSION 2015*

Instruction Begins	June 8	Monday
Independence Day Holiday	July 3	Friday
Instruction Ends	August 5	Wednesday
Grades Due	August 10	Monday
	35 Days	

FALL SEMESTER 2015*

Instructional Improvement Days	August 20, 21	Thursday, Friday
Instruction Begins	August 22	Saturday
Labor Day Holiday	September 7	Monday
Census Date for Fall Semester Classes	September 8	Tuesday
Veterans Day Holiday	November 11	Wednesday
Last Day to Withdraw from Full Semester Classes	November 17	Tuesday
Thanksgiving Recess	November 26-Nov. 29	Thursday-Sunday
Finals	December 11-17	Friday-Thursday
End of Semester	December 17	Thursday
Winter Recess	December 18 - Jan. 1	Friday-Friday
Grades Due	January 4	Monday
Semester Break	January 2-13	Saturday-Wednesday
	82 Days	

SPRING SEMESTER 2016*

Instructional Improvement Days	January 14, 15	Thursday, Friday
Instruction Begins	January 16	Saturday
King's Birthday Holiday	January 18	Monday
Census Date for Spring Semester Classes	February 1	Monday
Lincoln's Birthday Holiday	February 12	Friday
Washington's Birthday Holiday	February 15	Monday
Spring Recess	March 21-March 27	Monday-Sunday
Last Day to Withdraw from Full Semester Classes	April 17	Sunday
Finals	May 12-18	Thursday-Wednesday
End of Semester	May 18	Wednesday
Memorial Day Holiday	May 30	Monday
Grades Due	May 31	Tuesday
	82 Days	

*During all terms, classes are offered in additional formats to enhance student opportunity: 1st and 2nd eight week sessions; 1st, 2nd and 3rd five week sessions; as well as weekend only classes. Examples might include four, five, six and eight week sessions and weekend courses, as well as other session lengths.

NOTE: Classes may be scheduled on all days during the Summer term including Friday through Sunday; the count of days, though, is Monday-Thursday only as those are the primary days when instruction is offered. Both the Fall and Spring terms have scheduled instructional days, such as Saturdays, that are not included in the number of days shown above. Those additional days ensure the district is incompliance with the requirements of Title 5 of the California Code of Regulations, sections 58120 and 58142.

Quick Reference Phone Numbers, Email, and Web Addresses

Admission and Application Information	(916) 558-2351	E-mail: sccaeinfor@scc.losrios.edu
Assessment Appointments and Information	(916) 558-2541	
Business Services	(916) 558-2321	
Counseling Appointments	(916) 558-2204	
College Store	(916) 558-2421	E-mail: sccbkstore@scc.losrios.edu
Health Office	(916) 558-2367	
Los Rios eServices	(916) 558-2221	https://ps.losrios.edu/psp/direct
Police Services		
(Press "4" for non-emergency assistance and "0" for emergency assistance)		

Special Acknowledgment to

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President's Office - Cover Concept

Organization of the Instructional Areas

Students wishing to inquire about programs and courses may contact their Counselor or the Division Offices as listed below:

Advanced Technology

Donnetta Webb, Dean
Technology 106A, (916) 558-2491

Aeronautics
Air Traffic Control
Aircraft Dispatcher
Cosmetology
Electronics Technology
Engineering Design Technology
Flight Technology
Graphic Communication
Mechanical-Electrical Technology
Photography
Railroad Operations
Surveying (Geomatics)

Behavioral and Social Sciences

Dr. Carl-Petter Sjovold, Interim Dean
Rodda Hall North 226, (916) 558-2401

Administration of Justice
Anthropology
Community Studies
Early Childhood Education
Education/Teaching
Ethnic Studies
Family and Consumer Science
Fashion and Interior Design
Geography
Gerontology
History
Interdisciplinary Studies
International Studies
Nutrition and Foods
Political Science
Psychology
Social Sciences
Sociology
Women's Studies

Business and Computer Information Science

Deborah Saks, Dean
Business Building 213, (916) 558-2581

Accounting
Bookkeeping and Office Management
Business
Computer Information Science
Customer Service
Economics
Management
Marketing
Office Administration
Real Estate

Counseling and Student Success

Kimberly McDaniel, Dean
Rodda Hall North 111, (916) 558-2289

Human Career Development
Work Experience and Internships

Humanities and Fine Arts

Chris Iwata, Dean
Performing Arts Center 137, (916) 558-2551

Art
Art History
Communication
Foreign Languages
Humanities
Music
Philosophy
Sign Language Studies
Theatre Arts
Theatre Arts Film
Theatre Arts Performance

Kinesiology, Health and Athletics

Mitchell L. Campbell, Dean
Hughes Stadium, Section 1B, (916) 558-2425

Adaptive Physical Education
Athletic Training
Athletics
Health Education
Kinesiology
Recreation

Language and Literature

Albert Garcia, Dean
Rodda Hall South 226, (916) 558-2325

English
English as a Second Language
Reading
Journalism

Learning Resources

J. Frank Malaret, Interim Dean
Learning Resources Center 236, (916) 558-2253

Distance Education
Human Services
Instructional Development
Instructional Media and Academic Computing
Learning Skills & Tutorial Program
Library
Library and Information Technology
Media Productions and Services
Writing Center

Mathematics/Statistics & Engineering

Anne E. Licciardi, Dean
South Gymnasium 220, (916) 558-2201

Engineering
Mathematics
Statistics

Support Services and Student Development

Michael Poindexter, Vice President, Student Services
Rodda Hall North 272, (916) 558-2141

Community Leadership Development
Student Government

Science and Allied Health Division

James Collins, Dean
Mohr Hall 18, (916) 558-2271

Allied Health
Astronomy
Biology
Chemistry
Dental Assisting
Dental Hygiene
Geology
Registered Nursing
Vocational Nursing
Occupational Therapy Assistant
Physical Therapist Assistant
Physics

About the College

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About the College

Working Together • Pursuing Excellence • Inspiring Achievement

Founded in 1916 as a department of Sacramento High School, Sacramento City College is the seventh oldest public community college in California and the oldest institution of higher learning in Sacramento.

In 1922, the citizens of Sacramento organized a junior college district by severing the connections between the college and Sacramento High School. This plan of organization remained in force until 1936 when the college became a part of the Sacramento City Unified School District.

Twenty-eight years later, as a result of a March 17, 1964 election, Sacramento City College separated from the Sacramento City Unified School District to join the newly organized Los Rios Junior College District, which assumed the operation of American River College and Sacramento City College. In 1970, the newly renamed Los Rios Community College District opened a third campus, Cosumnes River College. Folsom Lake College became the fourth fully accredited college in the District in 2003.

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 leading to transfer, career advancement, basic skills development, degree and certificate attainment, 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.

Vision

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

College Goals, 2015-16

Goal A: Deliver student-centered programs and services that demonstrate a commitment to teaching and learning effectiveness and support student success in the achievement of basic skills, certificates, degrees, transfer, jobs, and other student educational goals.

Goal B: Align enrollment management processes to assist all students in moving through programs from first enrollment to completion of educational goals.

Goal C: Improve organization effectiveness through increased employee engagement with the college community and continuous process improvement.

Accreditation

Sacramento City College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 10 Commercial Boulevard, Suite 204, Novato, CA 94949, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at: http://www.accjc.org.

The University of California and all other accredited colleges and universities give full credit for appropriate courses completed at Sacramento City College. The college holds institutional memberships in the American Association of Community Colleges and the Community College League of California. Additional accreditation has been granted by the Commission on Dental Accreditation, the Commission on Accreditation in Physical Therapy Education, the Accreditation Council for Occupational Therapy Education of the American Occupational Therapy Association, the California Board of Registered Nursing, the California Board of Vocational Nursing and Psychiatric Technicians, the Dental Board of California, the Federal Aviation Administration, and the California Board of Cosmetology and Barbering.

Please refer to the individual program information in this catalog for specific accrediting information.

College Programs

General Education

These courses introduce students to basic subjects, the humanities, the natural sciences, and the social sciences, in order to further their knowledge, skills, and attitudes for self-development.

Career-Technical Education

Technical-vocational training in skills and a sufficient number of general education courses are provided to qualify or re-qualify students for employment in business and industry.

Developmental and Basic Skills Education

Courses and services will provide students of widely divergent abilities and motivation the opportunity to acquire the basic skills needed to succeed in college.

Lower Division Post-Secondary Education (Transfer Education)

These courses that parallel the first and second year courses of four-year colleges and universities prepare students to transfer to such institutions.

Buildings and Facilities

When the college outgrew its temporary quarters at Sacramento High School, the citizens of Sacramento voted bonds for a new college site and buildings. Sixty acres on Freeport Boulevard opposite William Land Park were purchased and in September 1925, the cornerstone of the first new building was laid. The college was transferred in 1926 to its new permanent campus.

The first new buildings consisted of administration, classrooms with laboratory units, and a gymnasium. With expansion came the demand for more buildings. Between 1928 and 1965 many other facilities were added to the original plan. Lillard and Mohr Halls were ready for occupancy in the spring semester of 1963. These buildings house science and nursing education. During the 1964-65 school year a new wing of the library, a new cafeteria, and new facilities for men's physical education became available. A student center and an additional physical education building were constructed in 1969. In 1970, the Business Building, the Art Court Theatre, and the Graphic Arts-Cosmetology buildings were ready for occupancy. The Aeronautics addition was completed in 1974 and renamed in 1982 as the Hilton F. Lusk Aeronautical Center. The original classroom building was replaced in 1976 with new classroom-administration structures that were dedicated in 1980 as Rodda Hall North and Rodda Hall South.

Also witnessed in 1980 was the remodeling of the Administration of Justice Building, the conversion of the engineering building into art laboratories, dedicated in 1982 as the Amalia Fischbacher Fine Arts Building, and the construction of a welding facility as well as a remodel of the nursing facility. During 1990-1991 construction of a music addition to the Auditorium was completed, and in 1993 the remodel of the Auditorium interior was completed. A new Child Development Center was also completed in 1993, and the new Learning Resource Center opened in Fall 1998.

With the initial development of the College's Facilities Master Plan in 2004 and passing of local facilities bond Measure A in 2002, the College embarked on a modernization and parking improvement program to span the next decade and beyond. A 1,958 space parking garage was completed in 2007, the Technology building was modernized in 2005 followed by the Cosmetology building in 2006, the North Gymnasium in 2008, and the Fischbacher Fine Arts building in 2010. In Fall 2011, the Aeronautics programs were relocated from Sacramento Executive Airport and the main campus to remodeled facilities at McClellan Park. The permanent Davis Center opened for Spring 2012 classes. Modernization of the Auditorium was completed in Fall 2012 and the building was renamed the Performing Arts Center. Hughes Stadium was modernized in 2012, and a new Student Services complex, replacing the current Student Services and Administration of Justice building is planned for 2015.

In 2008, the LRCCD voters approved a new facilities bond, Measure M, which enabled the college to update the Facilities Master Plan (2010) to include new facilities projects that would transform the campus and increase the capacity of the two permanent education centers, Davis and West Sacramento. The West Sacramento Center opened in January 2010 and serves over 3,000 students. The Davis Center relocated to a permanent facility on the University of California, Davis campus in spring 2012. All of these facilities modernization projects and new construction are funded through a combination of State facilities bond funds approved by the voters of the state or through local facilities bond measures like Measure A and M for Los Rios Community College District. Use of facilities bond funds are strictly monitored and require a Citizen's Bond Oversight Committee to ensure compliance with use rules that limit application of these funds to facilities modernization or new structures for the campus.

Looking ahead, the College will see modernization projects developed for Mohr and Lillard Hall, Rodda Hall North, and a portion of the Lusk building. In addition to the new Student Services building, included in the college's long-range plan is a new Science and Allied Health building adjacent to Mohr Hall. In addition, to handle the majority of the growth envisioned for Sacramento City College, two additional phases are planned for both West Sacramento and Davis Education Centers. State funding was provided for the Davis Educational Center Phase II Project and design meetings are currently underway. Our local facility bond Measure M also provides funding for infrastructure projects, including utilities improvements.

Business and Professional Development

Customized courses for Sacramento area businesses, governmental agencies and professional organizations are offered in cooperation with the Los Rios Community College District Training Source. The Training Source staff works closely with the business community to meet specific training needs by offering contract education and training programs. Credit courses that may lead to a degree or certificate may be taught at employment worksites. For more information about contract education or training programs, please call the Training Source at (916) 563-3230.

Centers

Sacramento City College's Centers in Davis and West Sacramento provide students the opportunity to pursue a college education close to home or work and make the transition to the main campus easier! The centers offer classes that allow students to fulfill lower division pre-transfer requirements in addition to basic skills and workforce training/retraining.

The location and contact information for these sites is:

Davis

1720 Jade Street
UC Davis West Village
Davis, CA 95616
Information: (530) 747-5200
www.scc.losrios.edu/DavisCenter/

The Davis Center got its start back in 1966 when Sacramento City College (SCC) offered its first classes in the city of Davis, using Holmes Junior High and the First Southern Baptist Church. In spring 2012, after decades of leasing space in a variety of locations around Davis, the Davis Center moved to a new building in West Village on the UC Davis campus. This was the first Leadership in Energy & Environmental Design (LEED) certified building in the Los Rios Community College District. The building offers 12 classrooms, including a computer lab. Services offered include academic and financial aid counseling, enrollment assistance, assessment testing, tutoring services, and other student support services. Including the UC Davis cooperative program, the Davis Center currently serves more than 3,800 students.

West Sacramento

1115 West Capitol Avenue
West Sacramento, CA 95691
Information: (916) 375-5511
www.scc.losrios.edu/WestSacCenter/

The Sacramento City College - West Sacramento Center was officially opened in January 2010 on Halyard Drive in the City of West Sacramento. With three classrooms and one computer lab, a variety of classes were offered including lower level English as Second Language (ESL), basic skills, career technical education (CTE), and general education transfer.

In spring 2010, the Center was relocated on West Capitol Avenue and was consolidated with the Downtown Center. Currently, the Center is a 25,000 sq. ft., 3-story facility that includes 11 classrooms and two computer labs. Services include academic and financial aid, counseling, enrollment assistance, assessment testing, tutoring services, and a newly opened Learning Resource Center. The Center currently serves more than 3,000 students.

Cultural Democracy

The Cultural Democracy concept was introduced to Sacramento City College as a strategy to address the achievement gap identified as a focus for the Educational Initiative. The college responds to the

diversity of our college community through both programs and policies. Examples include such programs as the Diversity Conference, cosponsored with the Faculty Association for the California Community Colleges (FACCC) in spring, 2008, Culturally Responsive Instruction, and Beyond Diversity in addition to the on-going programs of the International Studies Program (ISP) and Cultural Awareness Center (CAC) and work being done throughout the college. In recognition of college activities in this area, Sacramento City College was awarded the John W. Rice Award for Diversity and Equity in summer, 2009.

Non-Discrimination Policy - Los Rios Community College District

The Los Rios Community College District is in compliance with all pertinent Titles and Sections of the Civil Rights Act of 1964, the Educational Amendments of 1972, the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, Federal Carl D. Perkins Career and Technical Education Improvement Act of 2006 (P.L. 109-270), and all other applicable Federal, State and local laws.

It is the policy of the Los Rios Community College District to take action to guarantee that no qualified student or prospective student or any person having an educational relationship with the District shall be unlawfully discriminated against, harassed, or excluded from any benefits, activities, or programs on the grounds of ethnic group identification, race, color, gender, sexual orientation, sexual identity, religion, age (over forty), national origin, ancestry, disability, political affiliation or belief, military and veteran status, or marital status, nor shall any students be discriminated against for conversing in a language other than English. However, students shall be required to speak English when the use of English is necessary for educational or communication purposes. Sexual harassment is a form of unlawful discrimination based on sex and is prohibited in the District/College programs and activities under Title IX of the Education Amendments of 1972, 20 U.S.C., sections 1681 and following (Title IX).

Such non-discrimination policies extend to all of the functions and activities of the Los Rios Community College District including employment and employment selection, educational programs, services, admissions, and financial aid. Student equity in all academic and vocational programs is a primary goal of the college.

The lack of English language skills will not be a barrier to admission to and participation in vocational education programs.

Students and employees who believe they have suffered discrimination based on any of the above reasons may file a complaint with the appropriate office. Note: In addition to complaints being filed by students or employees, discrimination complaints may be initiated by 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. The complaint will not be dismissed or removed if it is not presented on the form provided by the Office of the Chancellor.

Americans with Disabilities Act (ADA)/504 Officer:

Julia Jolly, Associate Vice President of Instruction
(916) 558-2407

Disciplinary Officers:

Debra Luff, Associate Vice President of Enrollment and Student Services
(916) 558-2139

Michael Poindexter, Vice President of Student Services
(916)558-2142

Equity Officer:

Julia Jolly, Associate Vice President of Instruction
(916) 558-2407

Sexual Harassment Officer:

Julia Jolly, Associate Vice President of Instruction
(916) 558-2407

Student Grievance Officer:

Julia Jolly, Associate Vice President of Instruction
(916) 558-2407

Title IX Coordinator:

Julia Jolly, Associate Vice President of Instruction
(916) 558-2407

Política contra la discriminación

El Distrito Universitario Comunitario Los Rios, en cumplimiento con todos los Títulos y Secciones pertinentes de la Ley de Derechos Civiles de 1964, las Enmiendas Educativas de 1972, la Ley de Rehabilitación de 1973, la Ley de Americanos con Incapacidades y todas las demás leyes aplicables federales, estatales y locales, no discrimina con base en la raza, color, estado civil, religión, preferencia sexual, nacionalidad, sexo, edad de estado de inhabilitado o veterano de la guerra de Vietnam, incapacidad física o mental; y ningún estudiante será discriminado por conversar en un idioma que no sea inglés, en ninguna de sus funciones o actividades, incluyendo el empleo.

El Distrito cumple además con aquellas leyes federales y estatales y las normas de la Junta de Directores de los Colegios Comunitarios de California, las cuales prohíben el hostigamiento sexual.

Tales políticas antidiscriminatorias se extienden a todas las funciones y actividades del Distrito Universitario Comunitario Los Rios, incluyendo el empleo y la selección de empleos, programas educativos, servicios, admisiones y ayuda financiera. Todas las preguntas acerca de esta política pueden ser dirigidas a Sacramento City College.

La falta de conocimiento del idioma Inglés no será impedimento para la admision y participacion en el Programa Educativo Vocacional.

Estudiantes y empleados que creen han sufrido de discriminación basado en cualquiera de las razones arriba indicadas, pueden presentar una queja a la oficina correspondiente. Nota: Adicionalmente a las quejas presentadas por estudiantes o empleados, quejas de discriminación pueden ser iniciadas por individuos o entidades, tales como un miembro de la familia, un representante, una organización, o cualquier otra persona que desee presentarla a favor de un individuo o un presunto grupo/persona que haya sufrido discriminación o acoso. La queja no será rechazada o eliminada si no es presentada en la forma proveída por la Oficina del Canciller.

Sacramento City College Foundation (SCCF)

The umbrella name of College Advancement encompasses the many endeavors that the SCC Foundation and College and Community Relations have supported in past years. Advancement consists of interdependent programs and activities that seek to secure resources that are essential to the achievement of the college mission and vision of success. These interdependent programs include Advancement Services and Operations, Development (Fundraising), Marketing & Communications, and Alumni/Emeriti programs.

College and Community Relations is also a vital part of advancing the college's goals. Activities for CCR include various programs and events, such as Celebration of Excellence and the Retirement Ceremony.

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Academic Standards

Academic Expectations

Sacramento City College endorses an open door policy where students are welcome to attend regardless of previous educational background and where the college faculty and staff are committed to the success of students. It is the expectation of the college that students take responsibility for their learning as evidenced by their actions in class, on campus, and in the preparation for their classes. The college fully expects students to make measurable progress and meet the objectives of each course in which they are enrolled with or without accommodations for a verified disability. Both academic probation and progress probation policies are outlined in the catalog.

With certain exceptions, students are entitled to attempt a maximum of 30 remedial or developmental units so that they have an opportunity to develop the skills to succeed in college level work. Students are ultimately expected to succeed in associate degree level courses and/or meet their educational objectives.

Academic Renewal Policy

Academic Renewal Without Course Repetition

A student may petition to have previous substandard work, (D's or F's), 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. The following conditions must apply:

1. A minimum of 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 Credit/Pass or better shall have been attained. The coursework must have been completed at a regionally accredited college.
2. Current educational objectives must be discussed with a counselor and the counselor's recommendation must be included on the petition.
3. No more than 30 units of substandard grades may be discounted.
4. Under no circumstances may course work be discounted if it was used to fulfill requirements for a degree or certificate that has been granted.
5. 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.
6. Questions regarding this policy should be directed to the Dean of Enrollment Services.
7. Once elected, the academic renewal cannot be reversed.
8. Academic Renewal is not intended for courses that are required and/or will be repeated.

Academic renewal petitions are available at Admissions and Records or online.

Academic Standards of Scholarship

Standards of scholarship at Sacramento City College depend upon the objectives, nature, and content of the courses. Individual progress is a basic consideration, and the development of each student in the light of his or her needs and aptitudes is the major concern of the college. If minimum standards of scholarship are not attained, failure will result. In no case is credit given or are grades awarded merely on the basis of attendance. The evaluation of student performance is based on periodic examinations, class reports, term papers, and other evidence of scholarship. Each instructor is responsible for the evaluation methods employed in his or her courses.

Advanced Placement Credits

Students at Sacramento City College may be awarded units of credit for each Advanced Placement examination (CEEB) they pass with a score of 3, 4, or 5. Students will receive units/credits but not letter grades for these courses, and they will not be used in the computation of cumulative grade point average for graduation or transfer. After successful completion of 12 units at SCC, a student in good standing may submit their official CEEB Advanced Placement Test scores to the Admissions and Records Office for evaluation. Credit may not be earned for courses in which Advanced Placement credits have already been granted. See the Appendix for more information under "Degree Completion, Graduation, and Transfer."

Athletics

Students who participate in intercollegiate athletics must meet the eligibility requirements for the California Community College Athletic Association (CCCAA) and Big 8 Conference, which include issues such as current academic enrollment, satisfactory academic progress, academic standing, previous seasons of college competition, transfer history, and legal residence.

Initial eligibility requires a student athlete to be currently and actively enrolled in a minimum of 12 units that are consistent with his/her educational plan. Continuing eligibility includes the requirement that a student athlete maintain a 2.0 grade point average and complete a minimum 24 units since the previous season of competition.

The nature of athletic eligibility requirements is very complex and athletes are advised to become thoroughly familiar with them in order to avoid loss of eligibility. Information on these requirements should be obtained by interested students from the appropriate coach or athletic academic counselor.

Attendance

For students to successfully complete their college work, regular class attendance is necessary, and students are expected to attend all sessions of the class in which they are enrolled. Please refer to Los Rios Community College District Regulation R-2222 for specific regulatory information.

1. Students who fail to attend the first session of a class will most likely be dropped by the Instructor and lose their seat in the class.
2. Any student with excessive absences may be dropped from any course by the instructor any time during the semester. Excessive absences are defined as 6% of the total hours of class time. Instructors may establish and notify students of a more restrictive attendance policy if appropriate for their course.
3. The application of the excessive absence concept may vary by division according to the attendance demands of a certain curriculum. Students enrolled in a program such as Cosmetology, Vocational Nursing, Registered Nursing, Aeronautics, Dental Assisting, or Dental Hygiene should become familiar with special attendance procedures.
4. The instructor may reinstate a student dropped from a course provided the instructor feels the student can successfully complete the course.
5. Students absent from classes for any reason should contact their instructors to determine "makeup" requirements.
6. All students who remain enrolled in a class after the last date to withdraw 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. This grade will be used in computing probation or disqualification. Exception to this policy requires the approval of the instructor(s) involved and the Dean, Enrollment and Student Services. Students are responsible for ensuring they are dropped from class by accessing SCC eServices to drop the course.

Basic Skills Unit Limitation

The Board of Governors adopted regulations beginning July 1, 1990, limiting the number of developmental and/or basic skills course units to 30. These courses are usually numbered in the 1-99 series. Students may petition for a waiver of the 30-unit limitation.

Change of Address or Name

Students should report a change of address immediately to the Admissions and Records Office. The student will be held responsible for any mail sent to the wrong address. Any change in a name as a result of marriage or court action should be reported to the same office with the proper documents to substantiate the change. Students may change their names, addresses and phone numbers through eServices.

College-Level Examination Program (CLEP)

After completing 12 units at Sacramento City College, a student may submit qualifying scores for the College-Level Examination Program (CLEP) to the Admissions and Records Office. Students may be granted up to 30 units of credit for examinations with scores of 50 percentile or higher. Students should be aware that four-year colleges have the right to accept, modify, or reject CLEP units.

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. A student who wishes to challenge a course by examination must have successfully completed a minimum of 12 units at SCC with a grade of "C" or better.

Successful completion of a course by examination is recorded on the permanent record as a "P" grade. The "P" grade does not enter into the computation of the student's grade point average.

A maximum of 15 units of credit may be allowed by special examination. The units granted by credit by examination may not be used to establish full-time or part-time status or to satisfy the 12 units residence requirement for graduation. Credit by Examination units cannot be used to establish eligibility for financial aid, athletics, veterans' programs, social security, etc. Students will be assessed the regular enrollment fee for all challenged courses.

Procedures

1. Prior to the fifth week of instruction, visit the instructional area's division office to determine if an instructor is available to conduct the exam.
2. Obtain a Credit by Exam form from the division office and submit it to the Admissions and Records Office for verification of eligibility.
3. Take the completed form to the Business Office to pay the Credit by Exam fee.
4. Contact the instructor to schedule a time and location to take the exam.

After the student has completed the exam, the instructor will submit the completed form to the Office of Admissions and Records. Either a Pass or a No Pass mention will be entered on the transcript at the end of the semester.

Note: Mathematics Course Challenge. Credit for a challenge examination will not be awarded when a student has successfully completed a course at a level more advanced than that represented by the examination in question.

Dismissal

Academic Dismissal

A student on Academic Probation is subject to dismissal when the student earns a cumulative grade point average of less than 2.0 in all units attempted in each of three consecutive semesters.

Progress Dismissal

A student on Progress Probation is subject to dismissal if the cumulative percentage of units in which the student has been enrolled for which entries of "W", "I", and "NP" are reported in at least three consecutive semesters reaches or exceeds fifty (50) percent.

Readmission Process

Students who have been dismissed from the college for academic and/or progress dismissal may be readmitted through participation in our Student Success Workshop Process. The process consists of the following.

1. Contact the RISE program to sign up for a workshop.
2. Complete a Petition for Readmission and bring it to the workshop.
3. Attend the workshop and meet with a counselor to develop an educational plan.

Exceptions

Students may petition to the Dean of Financial Aid and Student Services, for readmission following dismissal if their dismissal arises from one of the following:

1. Military service obligations
2. Extenuating circumstances with documentation such as serious health problems, substantiated by a doctor's statement, which affected academic performance.
3. Disqualified from a four-year college or university to which they were admitted directly from high school.
4. Conditions that their counselors determine may be rectified by a change of curriculum.

Satisfactory Progress

Students readmitted for those reasons listed (see Exceptions) are considered to be making satisfactory progress.

Students readmitted must maintain a satisfactory progress point average to maintain "satisfactory progress" status.

Distinguished Service Award

Since 1931, it has been the custom of the college to select from the graduating class two students who have contributed outstanding service to the college. These students will be recognized during commencement and have their names engraved on the honor plaque located in the college's archway. A committee appointed by the college President makes the selection.

Enrollment Limitation

Enrollment in some college programs and courses may be limited due to health and safety considerations, requirements of a contracting agency, performance auditions or tryouts, or acceptance into a program.

General Education

The primary function of education is to transmit from each generation to the next the knowledge and skills requisite to enlarge the comprehension of our place in the universe. Sacramento City College is committed to the principle of providing general education that includes: Natural Science, Social Science, Humanities, Languages and Rationality, Living Skills, and Ethnic/Multicultural Studies. All of these are basic and necessary to participate in and contribute to a balanced life in a democratic society that is diverse in its social, cultural, and educational backgrounds.

Good Standing

In determining a student's eligibility to acquire or remain in good standing and attendance at a Los Rios College, both quality of performance and progress toward completion of objectives are considered. A student who attempts 12 or more semester units and earns a 2.0 GPA on a 4-point grading scale and who completes more than 50% of all attempted units merits a good standing relationship with the college.

Grading

Grade Reports

Once during each semester all students may be given progress grade reports, which are indicators of the level of work they are achieving in each class as of that date. These reports are only an estimate of the student's work at the time, and do not in any way guarantee that these will be the final grades. If the student's work is unsatisfactory at this time, he/she should consult with instructors to determine the cause of their difficulty and the steps to be taken to improve their performance. Final grade reports are issued after the end of each semester and are available on eServices.

Grades and Grade Point Averages

The grading standards with their grade point equivalents are as follows:

A	Excellent - 4 grade points per unit
B	Good - 3 grade points per unit
C	Satisfactory - 2 grade points per unit
D	Passing, less than satisfactory - 1 grade point per unit
F	Failing - 0 grade points, no units earned
P	Pass (C or better) - Not computed in GPA (formerly CR)
	NP.... No Pass (less than C) - Not computed in GPA, but affects progress, probation, and dismissal (formerly NC)
I	Incomplete - Not computed in GPA, but affects progress, probation, and dismissal
IP	In Progress - Course transcends semester limitation
RD	Report Delayed
W	Withdrawal - Not computed in GPA, but affects progress, probation, and dismissal
MW	Military Withdrawal

Grade Computations

$$\text{Grade Point Average (GPA)} = \frac{\text{Total Grade Points Earned}}{\text{Total Units Attempted with a Letter Grade}}$$

$$\text{Progress Percentage} = \frac{\text{Total Units with a W, I, and NP}}{\text{Total Units Enrolled}}$$

Summer session units and grades will count toward earning probation, removal from probation, or possible dismissal.

Grades of Incomplete (I)

An incomplete grade may be assigned by the instructor when, in the judgment of the instructor, the student is unable to complete the requirements of a course because of an unforeseeable emergency or justifiable reason at the end of the semester. A student should have completed at least two thirds of the coursework with a passing grade and be attending regularly up until the point the incomplete is requested; it is also expected that the student initiate the process and ask for the incomplete grade on or before the last class meeting. The decision to grant an incomplete is always the instructor's.

To receive credit for the course, the student must finish the incomplete work no later than one year from the end of the semester in which it was assigned. The instructor may, as an option, require the work be finished at the end of the next regular semester rather than one full year if the instructor believes this is in the student's interest. A final grade will be assigned when the work stipulated has been completed and evaluated or when the time limit for completing the work has elapsed. A student may petition for a time extension due to unusual circumstances. A student may not re-enroll in a course for the purpose of completing an incomplete.

Grades of Pass/No Pass
(formerly known as Credit/No Credit Grading)*

A student may elect one course per semester to be graded on a Pass or No Pass grading basis. A request form must be filed with the Admissions and Records Office for this option prior to the end of the fifth week for a regular semester course or by the 30% meeting in a short-term class (see www.scc.losrios.edu/Documents/admissions/pass-nopass.pdf for an online form). The deadlines for filing the request for short-term courses are published in the online class schedule. The equivalent of an A, B, or C received for the course will be recorded as "P", with units earned. The equivalent of D or F will be recorded as "NP", with no units earned. Units attempted for Pass/No Pass grades are not computed in the grade point average, but are used for determining progress probation and progress dismissal and minimum progress for students receiving financial aid.

Students are advised to consult with a counselor for current policies regarding Pass/No Pass grading before using this grading option.

*Courses taken prior to December 31, 2008 are noted on the student record as CR/NC. Courses taken after January 1, 2009 are noted as P/NP, per Title V section 55022.

Grades of Withdrawal (W)

A student may officially drop a class without notation (a "W" grade) on the permanent academic record/transcript prior to a point in which no more than 20% of a class has occurred. These important dates are available at http://www.losrios.edu/lrc/lrc_calend.php (click on the appropriate semester, then click on "Click here for more information, including start/end dates, drop/add dates"). 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 by staff 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, 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.

Medical withdrawals may be considered when supporting documentation is provided along with a student petition.

Honors Courses

Honors courses provide an enriched and unique educational experience with small classes in a seminar format. All courses are transferable and meet the general education/breadth requirements. Honors students have easy access to their instructors and are expected to utilize critical thinking skills throughout their course work.

Eligibility: 3.0 GPA, eligibility for ENGWR 300, or upon application and letters of recommendation. Applications are available from Paul Frank, Honors Coordinator (frankp@sc.losrios.edu, Rodda Hall North 234), from the Behavioral and Social Sciences Division Office in Rodda Hall North 226, or from the Honors Program website at www.scc.losrios.edu/honors. Students completing 15 units of Honors courses with a 3.2 GPA or higher are designated "Honors Scholars" at graduation and on their transcript and qualify for the UCLA TAP and other transfer alliance programs. Honors courses are listed at the end of the Degrees, Certificates, Courses, and Transfer Majors section of this catalog as well as within some discipline areas.

Honors courses meet program requirements for certain certificates and degrees. Please see your counselor or the Honors Coordinator for more information.

NOTE: Transferable courses may or may not satisfy lower division major preparation, general education, and /or elective requirements. Please meet with a counselor for specific transfer course evaluation.

International Baccalaureate (IB) Credits

Sacramento City College may award college credit for international baccalaureate (IB) higher level course completion with scores of 5, 6, or 7, 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. 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. The IB credits are listed in the Degree Completion, Graduation, and Transfer section.

Phi Theta Kappa

Phi Theta Kappa is an international honor society for the two-year college. It offers recognition of academic excellence, scholarships, career placement resources, leadership development, and service opportunities. It is the only two-year college honor society whose members are automatically nominated for the national dean's list. Students who join Beta Eta Psi, SCC's chapter of Phi Theta Kappa, automatically receive the designation "Phi Theta Kappa Member" on their official transcripts.

Phi Theta Kappa membership is based on academic achievement. Students must be enrolled in at least .5 unit of coursework in a regionally accredited institution offering an associate degree program, must have completed a minimum of 12 units of course work leading to an associate degree or transfer, must have a 3.5 grade point average, and must enjoy full rights of citizenship in the U.S. or in the student's home country.

After induction, members must maintain a 3.0 GPA. Members of Phi Theta Kappa must apply to the Honors program separately to take Honors courses and to be eligible for the "Honors Scholar" designation on their transcripts.

Probation

There are two types of probation: academic and progress.

Academic Probation

A student who has attempted at least 12 units is placed on Academic Probation if the student has earned a grade point average below 2.0 in all units that were graded.

Progress Probation

A student who has attempted at least 12 semester units is placed on Progress Probation when the percentage of all units in which a student has enrolled and for which entries of "W," "I," and "NP" are recorded reaches or exceeds 50 percent.

Unit Limitation. A student on either academic or progress probation may be limited to 12 units plus a physical education/kinesiology activity course or to a maximum load recommended by the student's counselor.

Removal from Probation. A student on Academic Probation is removed from probation and acquires 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 status when the percentage of units with entries of "W," and "I," and "NP" drops below 50 percent.

Schedule of Classes

Some of all of the class hours for course 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.

In the Class Schedule students will find specific information regarding the days, hours, instructors, and rooms in which classes will be held. Class Schedules are posted online prior to the start of registration for the next semester.

Scholastic Honors

Honors may be earned by students enrolled in 12 units or more for the semester. Nine (9) of these units must be graded on a letter basis exclusive of Pass (P). Students will be placed on the President's Honor Roll if they earn a grade point average of at least 3.0. If they earn a grade point average of 3.5 or better, they will be named for Highest Honors.

Students who maintain a high scholarship average are eligible for honors at graduation. Students who maintain a scholarship average of 3.5 or better are eligible for graduation "with great distinction"; students who maintain a scholarship average of 3.0 or better are eligible for graduation "with distinction." The published lists of students are compiled from the data available at time of publication and may be subject to subsequent revision. Grade point averages from the other colleges are used in the computation of scholastic honors.

Service Learning Program

Participation in campus and community volunteer projects, as a part of regular course work, serves to make learning more direct and relevant, builds students' leadership and organizational skills, and promotes civic engagement and community building. SCC is incorporating service learning into more and more courses and is creating campus and community partnerships to enhance student learning. Service Learning projects have included Web and brochure design for community agencies, partnerships with social services, school-aged mentoring and transitional housing programs. For a current list of courses connected with the Service Learning Program, check the Schedule of Classes or visit the Service Learning website at http://www.scc.losrios.edu/service-learning/ or call (916) 650-2940.

Student Conduct

Students are encouraged to familiarize themselves with the Student Rights and Responsibilities and are expected to observe appropriate standards of conduct, order, morality, personal honor, and academic integrity as specified in LRCCD Board Policy and Regulations P/R 2441. Certain activities are not considered appropriate to a college campus and are prohibited by the Board of Trustees. These include participation in gambling and raffles except when approved by the Vice President of Student Services as a regularly scheduled activity. Smoking is prohibited in all SCC buildings and allowed only in designated smoking areas. Drinking or being in possession of or under the influence of alcoholic beverages or illegal substances on college campuses is prohibited without qualification. There is a zero tolerance for violence. The Student Guide covers these procedures in more detail. For additional information about the disciplinary process, contact the Disciplinary Officers, Dr. Debra Luff, Associate Vice President of Enrollment and Student Services, (916) 558-2139 or Michael Poindexter, Vice President of Student Services, (916) 558-2142.

Student Grievance Policy

While attending SCC, students sometimes have misunderstandings or experience difficulty with a district or college employee. When students feel they have been treated unfairly and believe that one or more of their student rights have been violated, they can pursue a remedy or solution to the problem through the college's Student Grievance Process. The grievance process is explained in detail in LRCCD Board Policy and Regulations P/R-2412.

The levels and time lines of the Student Grievance Process are as follows:

Informal Grievance, Level 1
Student is required to meet with staff member(s) and/or immediate supervisor of the staff member(s) in an attempt to mutually resolve the matter. This discussion must take place within ten (10) days of the alleged incident.

Formal Grievance, Level 2
Filing: Within five (5) days of completion of informal procedure and not later than twenty-five (25) days from the date of the alleged incident, student may choose to file a Student Grievance Form.
Where: RHN257, Office of the Student Grievance Officer, Julia Jolly, Associate Vice President of Instruction, (916) 558-2407.
Purpose: Student Grievance Officer to determine grievability of the matter.
Time line: Within ten (10) days of filing date, Student Grievance Officer must notify all parties of status of grievability.
(a) If deemed not grievable, the Student Grievance Officer will notify the student, in writing, that the grievance has been rejected and state the reason(s) why.
(b) If deemed grievable, a hearing is scheduled.

Formal Grievance, Level 3
Hearing: Formal hearing scheduled within ten (10) days following the appointment of a Hearing Officer.
Decision: Within ten (10) days of receipt of hearing, the Hearing Officer will inform all parties, in writing, of his or her decision.

Formal Grievance, Level 4
Filing: Within five (5) days of Level 3 decision, either party may appeal the Hearing Officer's decision.
Where: President, RHN277.
Decision: Within ten (10) days of receipt of the appeal documents, the President will inform all parties, in writing, of his or her decision and that decision is final.

Students should be aware that an assigned grade by an instructor is not a grievable matter, except as outlined in Education Code 76224(a), which states:

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.

Students should remember that it is important to fully understand and comply with the various time lines. As used in these procedures, "days" shall mean calendar days, provided, however, that days during winter break, spring break, and breaks before and after summer sessions shall not be counted as "days."

Student Grievance Officer: Julia Jolly, Associate Vice President of Instruction, (916) 558-2407, RHN257.

The Associate Vice President is prepared to assist students in resolving concerns or problems that may be handled through the college's Student Grievance Process and can answer questions students have about any aspect of the process. The Student Grievance Form and LRCCD Board Policy and Regulations P/R-2412 are available through this office.

A copy of the policy and regulations can also be obtained from Dean of Financial Aid and Student Services (RHN177), Vice President of Student Services (RHN272), and Instructional Services (RHN257), as well as all Division Dean offices.

Student Leadership and Development Programs and Services

The Student Leadership and Development Program at Sacramento City College is designed to provide and complement learning in and out of the classroom. All students are encouraged to create and take advantage of opportunities for involvement that will enhance their academic studies and contribute to their life goals. Students participating in clubs, Student Associated Council, events, leadership workshops, and classes become intimately connected with the campus community. Getting involved at SCC can help students to feel more valued on campus and achieve their goals through enhanced learning and larger support networks. Join in the fun now and enjoy the benefits for the rest of your life! For more information, visit www.scc.losrios.edu/sld/, call 916-558-2381, or drop by the office located in South Gym 226.

Student Access
Student Leadership and Development strives to provide access for all students to activities, events, and other programs and services. Contact the Student Leadership and Development office for accommodations or Information.

Student Activities and Events
Student Leadership and Development sponsors events every year that help inform students, leaders, and communities. Examples include, but are not limited to Welcome Day, Club Day, Arts and Crafts Faire, and People's Day. In addition, a variety of training and development workshops and classes are also provided.

Student Associated Council
The Student Associated Council (SAC) is a team of student leaders dedicated to representing the interests and protecting the future of a diverse student body and is the official representative body for the students of Sacramento City College. The SAC includes the Student Senate, the Clubs and Events Board, and the Joint Budget Committee as a means to provide students with a voice in the shared governance process, advocate for the common interests of students, facilitate student involvement and activities, promote student life on campus, and appropriately allocate funds for these purposes.

Involvement in student leadership provides students the opportunity to learn and apply new skills, develop friendships, and have fun. Students are encouraged to participate on college standing committees, a system of effective and efficient governance. Standing committee membership is open to students, faculty, classified staff, and administrators. Appointment of student members to standing committees is coordinated through the Student Associated Council. For more information, visit www.scc.losrios.edu/sac/, call 916-558-2446, or drop by the SAC office in South Gym 226.

Student Bulletin Board Postings
Student Leadership and Development will assist students and college organizations by approving and posting appropriate school materials on bulletin boards throughout campus.

Student Center
The Student Center, located in the South Gym, is a place to study or visit with friends. In addition, student groups and SCC departments may reserve the facility for college-sponsored meetings and events.

Student Co-Curricular Support
Student Leadership and Development will work to support co-curricular activities and events. Students and instructors are encouraged to present ideas for consideration.

Student Housing
Student Leadership and Development maintains a listing of private residences advertising rooms for rent, students seeking roommates, and apartments for rent.

Housing notices are posted in a display case on the first floor of the South Gym as a free advertising service only. It is the responsibility of the student to contact prospective roommates, apartment managers, or homeowners directly. The college assumes no responsibility for this off-campus housing other than providing the listing of available housing.

Student Organizations
Any group of students having common interests may organize a student club under rules established for student organizations. Each club must have a faculty advisor and be approved by the Student Leadership and Development Office. For more information on past and current clubs and/or how to start a new club, visit www.scc.losrios.edu/sld/.

Student Publication - electriCITY: Sending the Power of Information to Students
This is a monthly publication of Student Leadership and Development. Submissions are due by the 15th of the month. Submissions may be edited and are not guaranteed inclusion. electriCITY is distributed via campus email system, as a hard copy through various offices around campus, and online at the Student Leadership and Development website.

Voter Registration
Student Leadership and Development has voter registration forms available for you to vote in local, state and national elections. Students need to register to vote if they have moved residences, changed names or party affiliations, or are voting for the first time.

Student Records Access
The Los Rios Board of Trustees, in order to meet the provisions of the Family Rights and Privacy Act of 1974 and the Education Code, has established policies giving students and parents of dependent students access to certain designated records. A summary of the rights and procedures for access are contained in the Students' Rights and Responsibilities section of the Los Rios Community College District Policy manual. Complete copies of the Act, Education Code, and Board policies are available in the offices of the Dean of Financial Aid and Student Services (RHN 177) and the Vice President of Student Services (RHN272).

District Regulation 2265 provides for the release, without student consent, of Student Directory Information, i.e., student's name, 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. In addition, federal law provides that representatives of the U.S. Department of Defense shall be provided a student's name, address, and telephone number for recruitment purposes. Students have the right to refuse the release of directory information by submitting a written statement to the Admissions and Records Office.

Student Rights and Responsibilities
College students are members of the community; they have the same rights and freedoms as all residents and, as such, they are accountable to Federal and State laws and statutes. In addition, students are also accountable to Los Rios Board policies and individual college rules and regulations.

The President of a college in the district serves as the chief administrator and has been delegated by the Board of Trustees to be responsible for the overall supervision of the operation of the college in conformity with the directives and duties as defined by the district Chancellor/Superintendent and consistent with the policies of the Board of Trustees.

In any conflict related to student discipline, students shall be informed in writing of charges to be brought against them, and they shall have the right to be assisted in their defense by non-legal counsel and/or advisor.

Study Abroad Program
Sacramento City College recognizes the benefits to be derived from travel/study tours and the educational value of on-site experiences in other areas of the world. 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 and the Northern and Central California Consortium, the Los Rios Community College District offers unique study opportunities in London, England; Paris, France; Florence, Italy, and other locations.

All studies are typical of regular academic programs taught on the SCC campus, yet utilize travel/field trips, cross-cultural experiences and foreign resources.

Prerequisite: Completion of 12 units of college credit before departure and a 2.56 GPA.

The 13-week program typically includes a required course in the life and culture of the country and general education courses such as Art, English, Humanities, and Social Sciences.

For more information and applications, call the International Studies Program office at Sacramento City College, (916) 650-2738.

Admissions and Registration

Admission Eligibility

Admission to the college, as prescribed by law, is open to: (1) any high school graduate; and (2) any person over 18 years of age who can demonstrate ability to profit from community college education. High school students who have achieved sophomore status at 16 years of age may be admitted to a limited program upon recommendation of their school principals (See Advanced Education section for details.) Advanced Education students should contact their school counseling office or the SCC Counseling Office, (916) 558-2204, for enrollment details. Students who successfully complete the "Certificate of Proficiency" granted by the state Board of Education will be admitted to Sacramento City College on the same basis as regularly graduated high school students.

Advanced Education

Advanced Education is intended to provide high school students with educational enrichment opportunities at the community college. To ensure success for advanced education students, the following questions and answers related to the program have been developed. College classes often include adult/mature subject matter.

Who can enroll in advanced education courses:

Students who have completed the 10th grade or will be 16 years of age by the first day of instruction, have a GPA of 2.7 or higher, or demonstrate ability in the subject area may apply for enrollment.

Exceptions to the 2.7 GPA are courses in Human Career Development and special courses designed for high school students.

Which courses are excluded from the Advanced Education program:

- basic skills courses numbered below 100
- courses requiring repetition due to substandard grades
- basic courses in English or math
- courses in which the safety of the student or others would be jeopardized
- courses with an adult or mature subject matter not appropriate for high school students

What documentations does the student need to provide in order to enroll:

- completed college application
- supplemental data information
- Advanced Education application form
- appropriate assessment results
- high school transcript
- copy of private school affidavit, if appropriate
- documentation of age

How does a student register for class:

- Advanced Education students must register in person at the Admissions counter or at an SCC education center
- If a student enrolls in a course held at the high school, the student may be assisted at the high school.

What else should a student know about the Advanced Education program:

- The course credit and grade the student receives will become part of his or her permanent college record.
- All prerequisites must be met.
- A student may enroll in a maximum of six units or two courses each semester including summer.
- Enrollment fees are waived, but out-of-state and international students must pay those fees.
- Be present at the first class meeting or be dropped
- If initially denied for Advanced Education, a student may submit petitions for eligibility with the Dean of Counseling and Student Success at SCC.

Allied Health Programs

Students interested in Allied Health programs must be enrolled in the program as well as the college. Application criteria and processes vary for each program. For application information, students must access each program's specific website as follows: (1) Dental Assisting or Dental Hygiene (http://www.scc.losrios.edu/dental/), (2) Registered or Vocational Nursing (http://www.scc.losrios.edu/nursing/), (3) Occupational Therapy Assistant (http://www.scc.losrios.edu/ota/), and (4) Physical Therapist Assistant (http://www.scc.losrios.edu/pta/).

Auditing of Courses

Auditing is not permitted in the Los Rios Community College District. All students must be officially enrolled in all courses they are attending.

Catalog Rights—Election of Requirements

Students who maintain continuous enrollment in at least one regular semester of a calendar year (Spring, Summer, or Fall) at Sacramento City College or the equivalent at any other college or university, for the purpose of meeting Associate Degree or Certificate requirements, may elect to meet the requirements in the SCC catalog in effect at the time of first enrollment or at the time of graduation from SCC.

Students who maintain continuous enrollment in at least one regular semester at Sacramento City College or another California Community College or a California State University or a University of California per calendar year, for the purpose of meeting transfer general education/breadth requirements, may elect to meet the requirements in the SCC catalog in effect at the time of first enrollment or at the time of transfer to a California State University.

Concurrent Enrollment

Students enrolled at Sacramento City College may be enrolled for college credit at another institution. It is the responsibility of the student to request transcripts be sent to the Admissions and Records Office at Sacramento City College for any credits earned in a concurrent enrollment.

Course Selection

Students are responsible for the selection of courses. However, students should consult with a counselor to determine the appropriateness of course selections for their major and general education requirements, especially for students transferring to four-year institutions. Courses offered are subject to change, contingent upon availability of staff and funds.

Enrollment Fee

All California Resident students must pay an enrollment fee of $46 per each unit per semester. These fees are subject to change by the State Legislature. Payment of enrollment fees is due at the time of enrollment. Students must officially drop a class to avoid being charged for it. Note: At the time of this publication, fees were set at the levels stated here, but are subject to change pending Legislative action. Students will be billed for, and are required to pay, any increase in fees.

Fees – Exemptions/Waivers

Students may be eligible for a Board of Governor's Fee Waiver if they are California residents and meet one of the established criteria. More information is available at http://www.losrios.edu/lrc/bog_eligibility.php. Students must complete the fee waiver form available online.

Federal Education Tax Credits
(American Opportunity Credit and Lifetime Learning Credit)
Students (or parents of dependent students) may be able to obtain federal tax credits for enrollment fees if the student is enrolled in at least 6 units during any semester or summer session, and the student 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 31st of each year. For eligible students who do not consent to online access, the IRS Form 1098-T will be mailed by January 31st. More information on the American Opportunity Credit or Lifetime Learning Credit is available on IRS Form 8863 at the following web address: http://www.irs.gov/newsroom/article/0,,id=205674,00.html OR http://www.losrios.edu/lrc/1098T.php

Fee Refunds
Enrollment, non-resident tuition, and Universal Transit Pass fees are refundable only if a student withdraws during the first 10 days of the semester for Fall and Spring semesters, and through Friday of the first week of instruction for less than full-semester classes, and during the first five (5) days of instruction for the Summer session. There is no refund after these deadlines. If a UTP sticker was issued, $5.54 ($2.77 for BOGW students) is withheld from the UTP fee refund.

The student may file for the enrollment and/or non-resident tuition fee refund (online at https://www.losrios.edu/refundapp.htm) up to the last day of instruction in any semester or Summer session, provided the student has withdrawn from classes on or before the deadline. For specific dates and deadlines refer to the class schedule or website. To qualify for a refund, the student must officially drop the class(es) online at eServices, or at the Admissions and Records office by the deadline. Students who have paid their fees and later qualify for the BOG fee waiver may apply for a refund. These refund requests must be filed online by the last day of instruction of the semester in which the student is requesting a refund. Refund eligibility will be determined by the date the class(es) were dropped and the date the refund application is filed with the college Business Services Office.

Field Trips and Field Studies Courses
Some courses may require students to participate in field trips as a component of the curriculum. California Code of Regulations, Title 5, § 55220(b) states "no student shall be prevented from taking a field trip or excursion which is integral to the completion of a course because of lack of sufficient funds." Students who may qualify for this provision should contact the division dean for a funding application.

Fines
Fines are assessed for overdue books in the Library, and students are required to replace lost library books. Forwarding the transcripts of record is contingent upon payment of such bills and Library fines.

International Students
International students are individuals who need a visa to study in the United States. Students must contact the International Student Center, Rodda Hall North 118 for pre-admission requirements. For overseas applicants, it is advisable to submit all documents at least four to six months prior to first day of instruction or by the application deadline to avoid lengthy visa delays. The Coordinator/Counselor can assist new, continuing and transfer students with orientation and academic counseling based on major goals and ESL/English and math assessment course recommendations. The Center staff can answer specific F/M student visa questions to SCC student or applicants Students may find further information at the Information for Students and Exchange Visitors website: www.ice.gov/sevis/students. SCC international students are required to show evidence of an approved Health and Sickness Insurance Plan coverage to the SCC Health Office prior to registration every semester.

Matriculation
Matriculation is defined by the California Community College Chancellor's Office (SB 1456 - Student Success Act of 2012) as "a process that brings a college and a student who enrolls for credit into an agreement for the purpose of realizing the student's educational objectives" through participation in the college's programs and services. We ask that you participate in a partnership with us to ensure your educational success.

To ensure your best chance of getting the classes you need, all new students (First Time in College), must plan ahead and complete the Steps to Success:

- ~~A~~pply
- ~~C~~omplete orientation
- ~~C~~omplete assessment testing
- ~~C~~reate an education plan
- ~~R~~egister for classes!

More information is available at success.losrios.edu
The Student Success & Support Program (SSSP) (formerly Matriculation) is a process that enhances student access to the California Community Colleges and promotes and sustains the efforts of credit students to be successful in their educational endeavors. The goals of Student Success & Support Program (formerly matriculation) are to ensure that all students complete their college courses, persist to the next academic term, and achieve their educational objectives through the assistance of the student-direct components of the student success & support program (formerly matriculation) process: admissions, orientation, assessment and testing, counseling, and student follow-up.

The purpose of the Student Success and Support Program (SSSP) Plan (Credit Students) is for the college to plan and document how SSSP services will be provided to credit students. The goal of the Student Success and Support Program is to increase student access and success by providing core SSSP services, including (1) orientation, (2) assessment and placement, and (3) counseling, advising, and other education planning services with the goal of providing students the support services necessary to assist them in achieving their educational goal and declared course of study. In addition, colleges are required to provide follow-up services to students who are enrolled in basic skills courses, students who have not declared an education goal and course of study, and students who are on academic or progress probation.

Goals of the Student Success and Support Program are to:

- Facilitate, promote, and increase student success (students making progress toward and reaching their declared education goal provided on the student education plan (SEP)).
- Provide at least an abbreviated SEP to all entering students with a priority focus on students who enroll to earn degrees, career technical certificates, transfer preparation, or career advancement.
- Provide orientation, assessment, and counseling, advising, and other education planning services to all first-time students.
- Provide students with any assistance needed to define their course of study and develop a comprehensive SEP by the end of the third term but no later than completion of 15 units.
- Provide follow-up services, especially to students identified as at-risk (students enrolled in basic skills courses, students who have not identified an education goal and course of study, or students on academic or progress probation.

[1] A First-time student is defined as a student who enrolls at the college for the first time, excluding students who transferred from another institution of higher education, and concurrently enrolled high school students.

Matriculation Exempt Criteria

Students may be exempt from participating in Orientation, Assessment, Counseling, or Advisement if they have completed an Associate Degree or higher or satisfied at least two of the following and do not wish to participate:

- has an identified a goal of upgrading job skills,
- is enrolled in fewer than six (6) units,
- is concurrently enrolled in another post-secondary institution; or
- has no degree or occupational objective.
- a high school student enrolled as an Advanced Education student.
- New to college students who first enrolled in courses in the District after Spring 2014 are not eligible for the above exemptions.

Students who have been declared exempt will be given the opportunity to elect whether or not to participate in the Matriculation process or any part of the Matriculation process.

Military Service Credit

Upon presentation of papers showing honorable discharge and active duty of one year or more in the United States armed forces, veterans may receive four units of elective credit. This credit will meet the living skills requirement for the associate degree. They may also receive additional credit for training satisfactorily completed in service schools according to the recommendation of the American Council of Education. Credit for military service will not be posted on the transcript record until the student has completed 12 semester units with a grade point average of 2.0 at Sacramento City College.

Students in the six-month reserve training program are not eligible for military credit. This is in accordance with the recommendation of the American Council on Education issued September 1964.

Non-Resident Tuition

Students who have not established legal residence in California are required to pay a tuition fee in addition to enrollment fees. The tuition is set each year by the State of California. For the 2012-2013 school year tuition is $254 per unit ($46 enrollment fee plus $190 non-resident per unit, plus $18 capital outlay fee per unit). Dependents of military personnel will be charged nonresident tuition fee if their guardian is not a resident of California and is stationed out of state.

International students who are both residents and citizens of a foreign country are assessed $254 per unit.

Non-resident Tuition Refund Schedule

Time of Withdrawal	Amount of Refund (%)
Fall and Spring (full semester classes*)	
By the end of the second week of instruction**	100% refund
After the second week of instruction	No refund
Summer	
By Friday of first week of instruction	100% refund
After Friday of first week of instruction	No refund

Please check the calendar in the Schedule of Classes for specific dates.

**Note: The first week of instruction is the first week of the semester or summer session in which instruction is offered.*
***Note: Dates are adjusted for short-term classes.*

Reduced Fees Under AB540

As nonresidents, students may be eligible to pay the $46 per unit fee just like California residents. What is AB540? AB540 is a state law that exempts certain students who are not residents of California from paying non-resident tuition at California Community Colleges and California State Universities.

Who is eligible? Students who meet all of the following requirements:

a. You attended a California high school for three or more years.
b. You graduated from a California high school or attained the equivalent of a high school diploma from California (e.g., GED or California Proficiency Exam).
c. You registered in Spring 2002 or later.
d. You completed a California Nonresident Tuition Exemption Request form.

For information, contact Admissions & Records at (916) 558-2351.

Open Courses

It is college policy that every course, course section, or class that receives state apportionment be fully open to enrollment and participation by anyone who has been admitted to the college and who meets such prerequisites as may be established pursuant to Title V of the California Code of Regulations, unless specifically exempted by statute.

Re-admission to the College

Former students of Sacramento City College returning after an absence of one or more semesters must re-apply for admission. Official transcripts from any institution attended, since the date of last enrollment at Sacramento City College, should be submitted to the Admissions and Records Office. This includes summer session and correspondence courses.

Registration Procedures

The Class Schedule and Enrollment Calendar, published prior to the beginning of each semester, contain detailed enrollment instructions. Students should enroll according to their scheduled time and date. See http://www.scc.losrios.edu or SCC eServices for further details.

The process for enrollment includes the following steps:

Application: Apply online at www.scc.losrios.edu. Application assistance is available in the Registration/Financial Aid Lab in Business 153. International students may apply online but must submit additional information to the International Student Center before being admitted to SCC.

Transcripts: Request that your official high school transcript be sent to the Office of Admissions and Records.

Prerequisites: Many courses have prerequisite courses that must be completed and passed prior to enrollment. Prerequisites are listed in the course description in eServices. Be sure you've met the prerequisites for a course before enrolling. If you have questions, contact Counseling at (916) 558-2204.

Orientation: The Student Success Act of 2012, Senate Bill 1456, was signed into law in September 2012. This act targets funding to the core services of orientation, assessment, and counseling/advising to assist students with development of education plans. The legislation focuses on helping new students define goals and get on track to educational achievement.

The online orientation is the second of the Los Rios Steps to Success, and it will help you on your way to enrolling in one of our four colleges. During orientation, students will receive:

- An overview of the Los Rios Community College District and its four colleges, and how to get started on a pathway to academic success
- An explanation of how to choose classes that fit your educational goals
- A presentation about college support services and resources that will help you succeed in the classroom
- Important details on the next steps to becoming a student and registering for classes

Again, all new students will be required to complete orientation, assessment, and develop a student education plan.

Assessment: Students take the assessment test. Phone (916) 558-2541 or drop by the Assessment Center in the Student Services Building to inquire about dates and times for the English, ESL (English as a Second Language), and Math assessments.

Counseling: With their assessment test results, students meet with a counselor to create a one-semester educational plan. Counselors provide information about certificates, degrees, and transfer requirements. Students are encouraged to keep their Educational Plan updated by meeting with a counselor every semester.

Financial Aid: California residents may apply for Board of Governors Enrollment Fee Waiver online (BOGFW) at www.scc.losrios.edu/financialaid. Fee waiver assistance is available in the Registration/Financial Aid Lab in Business 153.

Pay your fees: Fees may be paid online or in person at the Business Office in RHN173. For a list of current fees, please go to our website at www.scc.losrios.edu. Payment of all fees is due at the time of enrollment. Students must officially drop a class to avoid being charged for it.

*All fees are subject to change.

Repetition and Repeatability of Courses

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

Course Repetition – Substandard Grade

A course may be taken once and repeated up to two times at any of the Los Rios colleges for which a notation of D, F, NC (No Credit), NP (No Pass), or W (Withdrawal) was earned. This regulation is effective across the district at all Los Rios colleges. If you took a course at any of the Los Rios colleges – American River, Cosumnes River, Folsom Lake, or Sacramento City, this counts as one of your three attempts.

Repeatable Courses

Courses taken, earning a grade of C or better 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:

- Transfer level courses that may be taken more than once to meet the major requirement for transfer to a California State University (CSU) campus or to other universities with a similar transfer requirement.
- Variable unit courses that are open entry/exit such as math, reading and writing laboratory courses; students may re-enroll in these courses until they have earned the total maximum units allowed without repeating any of the course content.
- Work Experience courses, which can be taken again when there is new or expanded learning on the job for a maximum of sixteen units.
- Interscholastic sports and their related conditioning courses may be repeated to meet requirements for CCCAA eligibility.
- Intercollegiate academic or vocational competition courses with the primary purpose to prepare students for competition.

Non-Repeatable Courses – Petitioning for an Exception

There are a few special circumstances that allow students to complete the petition process to repeat a course that does not meet any of the criteria listed in the section just above. These include:

- Courses where students need to meet a legally mandated or licensure training requirement as a condition of continued paid or volunteer employment. These repetitions are not limited and are granted based on the college's verification of established legal mandates.
- If a student must meet an established recency requirement, a student may repeat a course because there has been a significant lapse of time (defined as at least three years) since the student previously took the course. In cases where a transfer university requires a community college course to be taken as a university prerequisite more recently than three years ago, a college may alter the three-year rule with documentation provided by the student. Grades awarded for courses repeated under this circumstance shall not be counted when calculating a student's grade point average. This is a one-time exception.
- 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 accidents, 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 – Families of 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 earns a sub-standard grade (a notation of D, F, NC (No Credit), NP (No Pass), or W (Withdrawal) in any course within a family, the sub-standard grade counts as one of the four course limitations in the family. Below is the list of SCC courses that are part of families of courses. A complete list is available in the Admissions and Records Office at each college. Please consult with a counselor for more information.

ART Applied Drawing
ART 307 Rendering
ART 310 Pen and Ink Drawing

ART Ceramics-Hybrid
ART 390 Ceramics
ART 391 Intermediate Ceramics

ART Drawing Fundamentals
ART 300 Elementary Drawing and Composition
ART 301 Digital Drawing and Composition
ART 302 Elementary Drawing and Composition

ART Figure Studies
ART 304 Figure Drawing and Composition
ART 305 Figure Drawing and Composition
ART 312 Portrait Drawing
ART 313 Portrait Drawing: Abstract

ART Painting
ART 330 Mural Painting
ART 332 Oil Painting
ART 333 Intermediate Oil Painting
ART 334 Acrylic Painting
ART 335 Acrylic Painting: Abstract
ART 336 Watercolor Painting
ART 337 Intermediate Watercolor Painting
ART 499 Experimental Offering in Art

ART Printmaking
ART 361 Printmaking: Survey
ART 362 Printmaking: Intaglio
ART 363 Printmaking: Silkscreen
ART 366 Printmaking: Lithography
ART 367 Printmaking: Book Arts

ART Sculpture
ART 370 Three Dimensional Design
ART 372 Sculpture

ART 373 Intermediate Sculpture
ART 374 Sculpture Lab
ART 375 Figure Sculpture
ART Small Metal Arts
ART 380 Techniques in Metal Design
ART 381 Intermediate Techniques in Metal Design
ART 384 Metal Design: Emphasis In Casting
ART 385 Metal Arts Lab

FITNS Aerobic Water Fitness
FITNS 310 Aquatic Fitness I

FITNS Swimming
FITNS 440 Swimming I
FITNS 441 Swimming II
FITNS 442 Swimming III
FITNS 443 Swimming IV
FITNS 444 Swimming V

MUP Vocal Ensemble
MUP 402 Vocal Ensemble I
MUP 403 Vocal Ensemble II
MUP 404 Vocal Ensemble III
MUP 405 Vocal Ensemble IV

PACT Golf
PACT 350 Golf I
PACT 351 Golf II

PACT Tennis
PACT 391 Tennis II
PACT 393 Tennis III

TAP Children's Theatre Performance and Technical Production
TAP 360 Children's Theatre Performance I
TAP 361 Children's Theatre Production II
TAP 362 Children's Theatre Production III
TAP 363 Children's Theatre Production IV
TAP 370 Children's Theatre Technical Production I
TAP 371 Children's Theatre Technical Production II
TAP 372 Children's Theatre Technical Production III
TAP 373 Children's Theatre Technical Production IV

TAP Classical Performance and Technical Production
TAP 320 Classical Rehearsal and Performance I
TAP 321 Classical Rehearsal and Performance II
TAP 322 Classical Rehearsal and Performance III
TAP 323 Classical Rehearsal and Performance IV
TAP 330 Classical Technical Production I
TAP 331 Classical Technical Production II
TAP 332 Classical Technical Production III
TAP 333 Classical Technical Production IV

TAP Modern Performance and Technical Production
TAP 300 Modern Rehearsal and Performance I
TAP 301 Modern Rehearsal and Performance II
TAP 302 Modern Rehearsal and Performance III
TAP 303 Modern Rehearsal and Performance IV
TAP 310 Modern Technical Production I
TAP 311 Modern Technical Production II
TAP 312 Modern Technical Production III
TAP 313 Modern Technical Production IV

TAP Musical Performance and Technical Production
TAP 340 Musical Rehearsal and Performance I
TAP 341 Musical Rehearsal and Performance II
TAP 342 Musical Rehearsal and Performance III
TAP 343 Musical Rehearsal and Performance IV
TAP 350 Musical Technical Production I
TAP 351 Musical Technical Production II
TAP 352 Musical Technical Production III
TAP 353 Musical Technical Production IV

TAP Repertory/Touring Performance and Technical Production
TAP 380 Repertory/Touring Rehearsal and Performance I
TAP 381 Repertory/Touring Rehearsal and Performance II
TAP 382 Repertory/Touring Rehearsal and Performance III
TAP 383 Repertory/Touring Rehearsal and Performance IV
TAP 390 Repertory and Touring Technical Production I
TAP 391 Repertory and Touring Technical Production II
TAP 392 Repertory and Touring Technical Production III
TAP 393 Repertory and Touring Technical Production IV

TMACT Basketball
TMACT 320 Basketball
TMACT 321 Basketball II
TMACT 322 Basketball III

TMACT Soccer
TMACT 300 Soccer, Indoor
TMACT 301 Indoor Soccer II
TMACT 302 Soccer - Outdoor
TMACT 303 Outdoor Soccer II
TMACT 304 Outdoor Soccer III

TMACT Volleyball
TMACT 330 Volleyball
TMACT 331 Volleyball II
TMACT 333 Volleyball III

Residency

Sacramento City College is a public college under California law. At public community colleges certain legal requirements pertaining to residence must be honored. The application for enrollment includes a "Statement of Residence." Non-resident students do not automatically become California Residents by merely living in the state more than one year. State law also requires proof of intent to establish California residency. Such proof can include filing California Income Tax forms, voter registration, driver license, vehicle registration, and other acts of intent dated one year and one day prior to the start of the semester. The law also requires that the students show no contrary intent, that is, they must not have maintained residence status in their former state (i.e., driver license, taxes, car registration, etc.). The burden of proof rests with the student. The residency laws do not permit college officials to waive any portion of the residency requirements. Students must submit a request for reclassification prior to registration.

Resident rules are as follows:
A student whose legal residence is in California may attend Sacramento City College. Generally, the legal residence of unmarried students under the age of 19 is that of their parents.

California Education Code and Los Rios Community College District policy states that an applicant, regardless of age, who has not established legal residence in California will be considered a "non-resident" and subject to a per-unit non-resident tuition and enrollment fees.

In addition, students who are both citizens and residents of a foreign country are subject to a per-unit international tuition fee and enrollment fee.

For a list of current fees, please visit our website at www.scc.losrios.edu.

Residency Requirements

Sacramento City College is a public college under California law and must honor certain legal requirements pertaining to student residency. The application for enrollment includes a "Statement of Residence." California Education Code and Los Rios Community College District policy state that an applicant, regardless of age, who has not established legal residence in California will be considered a "non-resident" and subject to a per-unit non-resident tuition and enrollment fees. Out-of-state students are classified as non-residents. Generally, the legal residence of unmarried students under the age of 19 is that of their parents.

Non-resident students do not automatically become California residents by merely living in the state more than one year. State law also requires proof of intent to establish California residency. Such proof can include filing California Income Tax forms, voter registration, driver license, vehicle registration, and other acts of intent dated one year and one day prior to the start of the semester. The law also requires

that the students show no contrary intent, that is, they must not have maintained residence status in their former state (i.e., driver license, taxes, car registration, etc.). The burden of proof rests with the student. The residency laws do not permit campus officials to waive any portion of the residency requirements. Students must submit a request for reclassification prior to registration.

The residence determination dates are as follows:

Summer 14 – June 8, 2013
Fall 14 – August 22, 2013
Spring 15 – January 16, 2014

Out of state students may apply for reclassification to California resident by meeting state requirements as described in the California Education Code and California Code of Regulations (Title 5). They must complete a reclassification application and provide sufficient documentation clearly demonstrating they have a physical presence in California, intent to reside in California permanently, and financial independence. Please see the Admissions and Records Office or http://www.scc.losrios.edu/admissionsrecords/admissions-records-forms/ for the reclassification application and instructions.

Students who are both citizens and residents of a foreign country are subject to a per-unit international tuition fee and enrollment fee.

Schedule Adjustments

Students who wish to change their schedules in any way after they have enrolled should follow the procedures listed online at www.scc.losrios.edu under Registration. Students not attending a course in which they are officially enrolled should drop the course through eServices to avoid incurring grades that would negatively affect their academic standing. Not showing up for a class does not constitute an official withdrawal. Students who are not attending classes, but are receiving Financial Aid, must contact the Financial Aid office immediately at (916) 558-2546 or in person at Rodda Hall North 167. Students are required to repay funds received for classes they are no longer attending.

A student may withdraw without penalty from individual courses or from the college up to the date indicated in the Board approved academic calendar or a corresponding time period for courses scheduled for shorter duration of time (see the schedule for detailed dates at www.scc.losrios.edu).

Student Representation Fee

Under provision of California Education Code section 76060.5 and California Code of Regulations 54801-54805, the students of this college have established a student representation fee of $1 per semester. The money collected from the student representation fee shall be expended to provide support for students or representatives who may be stating their positions and viewpoints before city, county, and district government, and before offices and agencies of the state. The fee is mandatory; however, a student has the right to refuse to pay the fee for religious, political, financial, or moral reasons. The refusal must be in writing.

Textbooks and Supplies

Students purchase their own textbooks and supplies. The College Store sells all required items. Note: There is a $25.00 Service Charge on all returned checks. Student records are placed on hold until the check and fee are paid in full.

Transfers from Other Community Colleges

Students who have previously attended another college and are in good standing are eligible to enroll at Sacramento City College, subject to residence requirements. Students should make a counseling appointment after their transcripts have been received to review their progress toward a degree or objective.

NOTE: Only official transcripts sent directly from the schools to Sacramento City College will be accepted. Transcripts should include any summer session or correspondence courses. All submitted records become the property of the college and will not be returned to the applicant. All transcripts must be received by the Admissions and Records Office by July 19 for Fall 2012 and December 14 for Spring 2013 or registration may be delayed. Students who have been disqualified by another college will not be admitted in the semester immediately following their attendance at that college. After a one semester absence, such students may be admitted subject to the Academic Standards Policy.

Transcripts

Effective July 1, 2013, the cost for ordering an official transcript will be $5 for regular processing or $10 for rush processing. There will be no cost to students for the first two regular processing transcripts they order.

Effective July 16, 2013, students will be able to order official transcripts online from their eServices accounts or any of our college's websites.

Please contact the Admissions and Records Office at 916-558-2351 for additional information.

Unit Load

College work is measured in terms of the semester "unit." In lecture courses, one hour in the classroom and two hours of study preparation per week constitute a unit of work. In the laboratory, three hours in the classroom per week with no outside study constitute one unit of work. The number of units of credit is listed with each course description.

The normal load for full-time students planning to graduate in four semesters is 15 units per semester. Students desiring to carry units in excess of 18 units (8 units during Summer School) must obtain approval from the Dean of Enrollment and Student Services. To do so, students must petition one week prior to registering.

Students are regarded as legal "full-time students" if they carry a minimum load of 12 units.

Full governmental subsistence for veterans requires the following unit load:

a. Veterans under Public Law 894 - as required by the Veterans Administration - 12 units.
b. Veterans dependents under Public Law 634 - 12 units.
c. Veterans under the California Bill - 12 units.

The following categories require the minimum unit load indicated:

a. International students - 12 units
b. Student athletes - 12 units including Physical Education.

Students will notice that some courses have "variable" units (1-2, .5-4, or 1-3 units). Some courses may be taken more than once (two to four times each) provided there is no duplication of topics. For example, MUIVI 315 is offered for 1-2 units and may be taken twice.

Universal Transit Pass (UTP)

A graduated UTP fee is charged to all students to a maximum of $16.62 per semester depending upon the number of enrolled units. BOGFW recipients pay a reduced UTP fee.

Verification of Enrollment

Upon written request, verifications of enrollment are provided free of charge, by the Office of Admissions and Records. Please allow three to five working days for processing. For round the clock service, Sacramento City College has authorized the National Student Clearinghouse to act as its agent for verification of student enrollment status. You can obtain an official Enrollment Verification Certificate at any time through the Clearinghouse website at www.studentclearinghouse.org. A fee may be charged for this express service.

Student Support Services

Alternative Publication Formats
This publication is available in alternate formats (large print, Braille, MP3, or e-text). Please call (916) 558-2087 (voice) or (916) 558-2693 (TDD).

Assessment
Since reading, writing, and mathematics skills are essential for learning and understanding all subjects, it is helpful for students to know their level of performance in these areas. Assessment in these subjects will show educational strengths and needs and can provide useful information for planning a course of study at Sacramento City College. Assessment is not conducted to keep a student out of college or specific classes.

Note: Students with transcripts documenting English, reading or math classes completed at other colleges should have their transcripts evaluated at the Language and Literature Division office (RHS 226) or Mathematics/Statistics and Engineering Division office (SOG 220) prior to taking assessments.

Students' assessment results, along with their high school records, educational and employment experiences, current work schedules, and motivational levels, are used to help plan classes. Sacramento City College counselors can provide interpretations of test results and work with students to prepare Student Educational Plans. The Assessment Center can provide information about the types of assessment available and its testing schedule.

Students can access their English, reading, and math placement results by checking the "Steps to Success" tab of their eServices account. All placement results are valid for a period of two (2) years and may be used at any college in the Los Rios Community College District. Please check with the Assessment Center for retest policies.

Call (916) 558-2541 for questions about assessment, drop by the Student Services Building, or log on to http://www.scc.losrios.edu/assessment for more information.

Cafeteria - Snack Bar - City Café
A wide range of food services is available to student and staff members through City Café. There are also a number of nutrition (vending) centers on campus. City Café also offers a full complement of Java City coffees and beverages. It also provides full service catering with healthy food offerings for any occasion.

CalWORKs Program
CalWORKs (California Work Opportunities and Responsibility to Kids) is a state-funded Welfare-to-Work Program designed to help individuals on public assistance become self-sufficient. Sacramento City College's CalWORKs Program, an interagency program, works closely with the county Department of Human Assistance bureaus and with other community agencies and organizations as well as on-campus programs to provide comprehensive services that promote self-sufficiency and lifelong learning. The SCC CalWORKs Program includes education, training, and support services, as well as employment opportunities related to the individual goal of each participant. Anyone receiving TANF (Temporary Assistance for Needy Families) may be eligible for services.

For further information and for CalWORKs outreach presentations, please call (916) 558-2331 or visit www.scc.losrios.edu/calworks/.

Career Center
The Career Center is available to assist and support students through the Career Development Process. This process includes job search, gaining experience in the world of work, decision making/goal setting, occupational research, and self-exploration. Students can explore new careers and get help matching their majors to careers. Further, there is assistance with student jobs on campus, Federal Work Study positions, and job listings for off-campus employment. Students can receive assistance with résumés, cover letters, interview skills, and job search strategies individually or through workshops. Recruiters are on campus throughout the year to give job/career information. Job announcements and descriptions are posted on a job board on the first floor of Rodda Hall North, outside the Counseling Center, and are available for viewing in the Career Center. Job listings can also be accessed through the Los Rios Internship and Career Services (LINCS) to HIRE EDUCATION website service, at www.myinterfase.com/scc_losrios/student . This website allows employers to post their jobs and review student résumés. Students and alumni can register for free and search the job database for the position that meets their needs. Additional career resources include online connection to career tools, books, journals, newspapers, and career self-assessments. All services and resources are available to students and the public. The Career Center also hosts an annual Career Day each spring, where students can explore career opportunities and internships, as well as network with potential employers. Please contact the Career Center if you need accommodations for a disability to utilize our services. For additional information, please contact the center at (916) 558-2565. The Career Center is located inside the Counseling Center in Rodda Hall North 147.

Child Development Center
The college provides care and education services for children of preschool age in the Berneice Clayton Child Development Center. The program serves mostly low-income student families with funding provided by the State Department of Education. There are also a limited number of spaces available to staff and faculty families.

The center also serves as a child development teaching laboratory for students majoring in academic and vocational programs related to children. College students do observations and participate as teaching assistants in the classrooms.

The mission of the Child Development Center is to provide a high quality relationship based learning environment that respects the diversity and development of all children, families, and students.

For additional information, call (916) 558-2542.

College to Career
The College to Career program provides students with disabilities with specific support and individualized coaching for academic success and job placement. To qualify for College to Career services, a student must be a current consumer of the California Department of Rehabilitation and Regional Center, and have an intellectual disability, autism spectrum disorder, cerebral palsy or epilepsy. Services include education coaches, education plans leading to a certificate or degree and job/career goal, work experience and internships specific to the job/career goal and competitive job placement.

To get more information about College to Career, or to schedule an appointment, call us at (916) 558-2107 or check our website at: http://www.scc.losrios.edu/college2career/.

College Store
The College Store, conveniently located on campus on the east side of the Lusk Aeronautical building, carries a complete stock of all textbooks used in the courses at the college, as well as paper and supplies of all kinds. The Board of Trustees of the Los Rios Community College District exercises supervisory control over the College Store and provides for an annual audit. The College Store is not subsidized by the Los Rios Community College District and pays its own salaries and expenses with funds generated through sales. The College Store also provides funding for many student activities and other college programs. Visit our website for hours of operation and other services: www.scc.losrios.edu/bookstore.

Computer Labs for Online Services
Computers for student use are available in the Registration/Financial Aid Lab, Business Building 153. (Check the Schedule of Classes for dates this center will not be available). A staff member is available onsite to assist students with online orientations, applications for admission, financial aid applications, updating supplemental information, obtaining assessment scores, viewing academic histories and/or schedule, as well as enrolling into classes.

Counseling and Student Success
The Sacramento City College Counseling and Student Success Department offers comprehensive professional counseling services for community college students. Academic counseling is available to assist students in clarifying their educational goals. Students and counselors work together to create an educational plan for obtaining a certificate, associate degree, and/or transfer. Career counseling can help students to explore their personal values, aptitudes and interests, and to identify a major that leads to a fulfilling career. SCC counselors provide personal counseling to help students with life issues that may interfere with academic success. Crisis intervention services are available to students who are experiencing acute emotional distress and require immediate attention.

As part of the matriculation process, all first-time college students are to attend a New Student Counseling Workshop prior to their first semester, meet with their counselor every semester thereafter to discuss academic and personal progress, and update educational plans. Counselors refer students to other services, including many that may be provided in the Counseling and Student Success Department, such as online advising and special programs for student retention. Counselors also teach Human Career Development courses that are designed to build skills that lead to academic and life success.

The Counseling Center is located on the first floor of Rodda Hall North, Room 147. Call (916) 558-2204 for more information and available hours. Counseling services are also available at the SCC Outreach Centers.

Other programs located in the Counseling Center include Health Services, Transfer Center, International Student Center, Career Center, Cooperative and Work Experience and Internship Program.

Cultural Awareness Center
The Cultural Awareness Center's (CAC) goal is to promote intercultural understanding and education through programs and traditional cultural celebrations that reflect the diversity of Sacramento City College and its urban community.

The CAC celebrates ethnic cultural traditions through dance, music, art, poetry, and storytelling. In addition, the CAC sponsors open forums, panel discussions, and speakers who often reflect the ethnic, education, age, and gender differences on our campus, as well as the differences of ideas and opinions. These differences allow us to see things from many different perspectives, promoting healthy discussion and debate. The Cultural Awareness Center is a safe place to celebrate what makes us different and to learn to appreciate the differences in others. It is an educational experience that helps members of the college community to become comfortable learning, living, and working in a diverse world. For more information, please call (916) 558-2155 or visit our website at www.scc.losrios.edu/cac/.

Dental Health Clinic
The Dental Clinic is located in Rodda Hall South 133. Students and community members may make appointments with dental hygiene students for preventive dental hygiene services. Services include cleaning and polishing teeth, fluoride application, and oral hygiene instructions. Fees for these services are $25.00 for the first appointment and $10.00 for additional appointments. The fee for cleanings for children is $16.00. Sealants, which prevent tooth decay, cost $10.00 per tooth. With a written request from a dentist, dental X-rays can be taken by either dental assisting or dental hygiene students. The fee for X-rays ranges from $15.00 to $25.00. For an appointment, call (916) 558-2303.

Disability Services and Programs for Students (DSPS)
The Disability Services and Programs for Students (DSPS)serves students with documented physical, learning, communication, developmental, psychological and acquired brain injury disabilities, and other impairments. Students with disabilities who request reasonable accommodations are required to provide verification of their disability to the DSPS.

A variety of academic support services are available providing students with disabilities opportunities to participate fully in all aspects of college programs and activities through appropriate and reasonable accommodations. Services include the following:

- Alternate media format materials
- Assistive computer technology
- Counseling
- Equipment loan
- Exam accommodations/proctoring
- Interpreters (Sign Language)
- Learning disability assessment & evaluation
- Learning strategies instruction
- Mobility/Lab Assistance
- Shared Notes/Notetakers
- Priority registration
- Referral to other campus and community resources
- Real-time captioning

Students who require information or services should go to the Temp 8-2 Building for intake, counseling, and service coordination. The telephone numbers are (916) 558-2087 (voice), (916) 374-7218 (VP), (916) 650-2781 (FAX), and website http://www.scc.losrios.edu/dsps/. Students requiring appointments for learning disability assessment should go to the DSPS to make an appointment. The Assistive Technology Lab and exam proctoring center are located in PAC 102. Exam proctoring must be pre-scheduled. The telephone number for proctoring is (916) 558-2545 (voice). Equipment, staff, and adaptive physical education/kinesiology courses are available to assist students in improving and enhancing their physical skills to facilitate education and personal development. Contact the Kinesiology, Health and Athletics Division at (916) 558-2425 for more information.

Students seeking Educational Accommodations who do not wish to be referred to the DSPS will need to contact the SCC Campus Equity Officer, Julia Jolly, Associate Vice President of Instruction, in Rodda Hall North, Room 257, at (916) 558-2407 for referral to appropriate services.

Early Assistance
Students who experience academic difficulty are contacted by the Early Assistance Program. Early Assistance is designed to provide students with extra assistance in their courses in order to succeed. Students who are experiencing difficulty in their classes are contacted and assisted early in the semester. Assistance may include workshops on classroom success, information on campus services, an appointment with a counselor, study skills assistance, or tutoring in a specific subject area. All students are welcome to participate.

Extended Opportunity Program and Services
Extended Opportunity Program and Services (EOPS) is a student support program for educationally and economically disadvantaged students, funded by the State of California and the Los Rios Community College District. It is designed to provide opportunities in higher education for students with academic potential who, historically, would have not attended college.

EOPS provides "above and beyond" services and resources that include but are not limited to counseling, priority registration, financial aid processing, academic monitoring, case management, tutoring support, and book assistance.

Within EOPS is the Cooperative Agencies Resources for Education (CARE) Program. It is designed to assist single head of household EOPS students who are also receiving Temporary Assistance for Needy Families (TANF). CARE students receive additional resources "above and beyond" what is offered to EOPS students to assist them with accomplishing their educational goals.

There is one application period for the year, which is during the month of April, for entrance in the incoming fall semester.

For further information, please go to the EOPS Office located in Rodda Hall North, Room 155, call (916) 558-2403, or contact us at scceopsinfo@scc.losrios.edu.

Financial Aid

See www.scc.losrios.edu/financialaid

Sacramento City College participates in a number of programs to assist students who need financial support in order to pursue their college education. To be considered for financial aid, all students must satisfy the following requirements:

Apply for Financial Aid
Apply for financial aid by completing a Free Application for Federal Student Air (FAFSA), available online at www.fafsa.ed.gov. Eligible AB 540 students may apply for financial aid by completing the California Dream Act Application, available online at www.csac.ca.gov.

Declare an Educational Goal
To be eligible to receive financial aid, students must declare an eligible educational goal. Visit www.scc.losrios.edu/financialaid for more information about eligible educational goals for financial aid.

High School Diploma
Earned a high school diploma, GED, or equivalent. If you do not have a high school diploma or equivalent, visit www.scc.losrios.edu/financialaid for information about changes regarding High School/GED Requirements

Enroll in classes
Submit official sealed transcripts to Admissions from colleges attended outside of the Los Rios Community College District

Meet satisfactory academic progress
Financial aid applications for each new academic year are available online (FAFSA at www.fafsa.gov ; California Dream Act Application www.csac.ca.gov 'eligible AB 540 students only') on January 1. The priority deadline for completing the FAFSA and CA Dream Act March 2; however, applications are accepted throughout the academic year. The Cal Grant deadline are March 2 and September 2, visit the financial aid website for more information about Cal Grants and the GPA verification process. Please note that deadlines for the various programs vary considerably. Generally, funding is provided as long as funds are available, and some programs have limited funding, so apply early!

Most financial aid programs are need-based and require that a student show financial need in order to qualify. Financial need and eligibility is determined using a standard formula that subtracts your Expected Family Contribution (EFC) from your Cost of Attendance (COA). The Cost of Attendance to attend Sacramento City College is available on our website at www.scc.losrios.edu/financialaid.

Financial Aid Programs
The following financial aid programs are offered at Sacramento City College:

Grants
- Board of Governors (BOG) Waiver
- Cal Grant
- Chafee Grant (for former foster care students)
- Federal Pell Grant
- Federal Direct Student Loans
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Federal Work Study (FWS)
- Scholarships

Sacramento City College Foundation Scholarships
Sacramento City College Foundation (SCCF), located in Rodda Hall North 222, offers more than 200 scholarships established by SCC staff members, emeriti members, and alumni of Sacramento City College. In addition, many community businesses and individuals participate in the scholarship fund in order to support excellence for community college education, and many times, to memorialize a loved one. Scholarship criteria may include, but not be limited to, financial need. Academic improvement, community service, and leadership skills are highly considered. Applications are available in January each year. To qualify for most scholarships, applicants must have completed a minimum of 12 units at SCC by the end of the fall semester and be enrolled in six or more units at SCC during the spring semester. Some scholarships require additional units, and many scholarships have criteria set by the individual donor.

For more information, contact the SCCF at (916) 558-2197 or visit www.scc.losrios.edu/foundation/scholarships/.

Part-Time Jobs
Federal Work Study (FWS)

Student Loans
Federal Direct Loans (Subsidized and Unsubsidized)

Health Services

Health Services is located in the Counseling Center in Rodda Hall North. The mission of Health Services is to cultivate the mind, body, and spirit of the college community. Health Services is staffed with a health clerk and two registered nurses. Services include health assessment and counseling, TB testing, blood pressure screening, first aid/emergency care, substance abuse counseling, nutrition consultation, and reproductive health services. Community referrals are available to students regarding medical, dental, and vision services. All services are confidential and limited over-the-counter medications are available.

Students are not covered by the district or the college for health insurance; however, information and assistance in finding student health insurance is available.

International Student Center

SCC highly values the rich cultural diversity that is created by the presence of international students (F-1) on our campus, and we look forward to the opportunity to provide them with support services. International students are defined as any citizens of a country other than the United States who have or will need "school authorization, under federal laws, to enroll as non-immigrant students."

All applicants must first apply to SCC following international student procedures. Approved students are required to report to the International Student Center within 10 days of arrival to the U.S. or before the first day of instruction. New, transfer in, and continuing re-entry students must bring their most recent original entry documents, all I-20s, I-94s, passport with American Consulate page and current copies of all college transcripts translated into English.

Students are advised to:

- Complete the SCC International Admission Packet, which may be downloaded at http://www.scc.losrios.edu/international
- Maintain full-time status and complete a minimum of 12 units or more each semester (Important: Withdrawals or Ws do not count as part of the 12 units)
- Notify the Center of address changes within 10 days of moving
- Notify SCC International Student Center and Admissions and Records of major changes and request new updated SCC SEVIS I-20 Form
- Maintain proof of Student Health and Medical Insurance coverage at SCC Health Office

- Have originals of college transcripts (translated into English) sent from all institutions attended to Sacramento City College Admissions and Records
- Meet regularly with instructors and international counselors whenever any academic difficulties or tutoring needs arise

The International Coordinator-Counselor and staff are available to assist students with review of admission requirements, specialized orientation, and provide valuable resources regarding student immigration status, federal regulations www.ice.gov/sevis, and educational responsibilities. Successful students see counselors often for career, personal, and educational advising to complete an "Integrated Student Educational Planner (iSEP)," and to address questions and concerns regarding their status.

The International Student Center is located in the Counseling Center in Rodda Hall North Room 118. To schedule an appointment, please call (916) 558-2486.

Learning Communities (Interdisciplinary Studies)

A Learning Community is two or more courses linked together by one or more of the following: a common theme, shared students, shared content, and/or a team of instructors. This is sometimes called interdisciplinary learning or integrated classes. Students like Learning Communities because they can be a part of a group that learns together. They interact more with their fellow students and the faculty, and they learn to understand how subject matter interrelates. The number of Learning Communities at SCC varies from semester to semester, so look for the Interdisciplinary Studies page in the Schedule of Classes.

Orientation – On Campus

General information and enrollment sessions for all new students are held on campus prior to the start of classes each semester. All first-time students should participate in these sessions that include information on SCC programs, course selection, enrollment procedures, and information essential to college success. Students are encouraged to visit the Sacramento City College Orientation webpage to schedule an in person session. For additional information about Orientation, please call (916) 558-2145.

Orientation - Online

New students unable to take advantage of SCC's traditional orientation sessions may participate in an online orientation. Students are then encouraged to take their assessments and attend a New Students Counseling Workshop. For additional information about Orientation, please call (916) 558-2145.

Outreach Program

Outreach and recruitment staff inform students, parents, and the community about instructional programs, student support services, admission and enrollment processes, and the campus and student life environment at Sacramento City College.

For more information regarding high school or community outreach, please call (916) 558-2200.

Summer Success Academy

The Summer Success Academy is a Sacramento City College sponsored high school to college transition program for first-time college students. Students that participate in the academy will attend classes necessary to be successful in college. For more information please call the High School Outreach office at (916) 650-2914.

Tours of the Campus

The Information and Orientation Office also coordinates campus tours. Tours may be scheduled for individuals or for large groups. Contact the Information and Orientation Office by calling (916) 558-2145 for additional information. Tour requests may be made online at www.scc.losrios.edu/outreach/campustours/.

Transfer Center

The Transfer Center assists students in transferring to four-year colleges and universities. The Center maintains current college and university catalogs, admissions and major course requirements, applications, and resource materials. In addition to its many transfer activities, the Transfer Center coordinates the Transfer Day, College Tours, College Fairs, university representative appointments and workshops, and the UC Transfer Admission Guarantee Program.

Appointments to meet with college representatives and attend application information workshops can be made in the Transfer Center. Representatives from California State University, Sacramento and University of California, Davis are available to meet with students in the Transfer Center on a weekly basis. In addition, university representatives from other four-year institutions are available each semester.

The Transfer Center is located in the Counseling Center, Rodda Hall North 147. The Center may be reached by calling (916) 558-2181 or drop by the office.

To help plan for transfer, please make an appointment to meet with an SCC counselor.

Veterans Affairs

The Veterans Affairs Office is located in Rodda Hall North 159 and is available to assist veterans, spouses, and children of disabled or deceased veterans who may be eligible for federal and/or state educational benefits.

New students should contact this office at least two months prior to the start of the semester to initiate the required paperwork.

In most cases, all enrollment fees, books and miscellaneous fees are paid by the student and not the VA. If you believe VA will be paying your enrollment fees, please verify with the Veterans Affairs Office before enrolling in courses. The benefit process may take several months to complete for new benefit recipients. The benefit process for continuing students can take 4 to 6 weeks in most cases. Benefit recipients should anticipate a delay of at least two months before receiving the first payment. For more information on VA benefits, go to www.gibill.va.gov.

Disabled veterans who qualify for educational benefits as disabled veterans should contact their VA Rehabilitation Counselor prior to enrolling.

The Veterans Resource Center offers Veteran students academic counseling, computer and printer use, a place to study, meet other Veterans, and get information about benefits. It is located in SG 103, please check with the Veterans Office in RHN 159 for hours.

For more information, please visit the college website at www.scc.losrios.edu.

WorkAbility III

The WorkAbility III program provides students with disabilities with employment services. To qualify for WorkAbility services, a student must be a current consumer of the California Department of Rehabilitation, and have a physical, mental, emotional, communication or learning disability. Services include career counseling, career development classes, résumé and interview practice, and job placement assistance.

To get more information about WorkAbility, or to schedule an appointment, call us at (916) 558-2590 or check our website at: http://www.scc.losrios.edu/workability/.

Learning Resource Center

Learning Resource Center (LRC) is a resource for student learning and intellectual exploration. It is a place where students can find space for quiet study, as well as group work and collaboration, and room to plan, sort, organize and work on projects and reports.

The LRC houses the Library, Instructional Media Center, Learning Skills and Tutoring and Distance Education, as well as services for faculty and staff such as Instructional Development and Media Production and Services. The LRC provides extensive collections of books, periodicals, videos, DVDs, films, microforms, software, and electronic databases to support the educational needs of SCC students and classroom instruction. The library catalog and some electronic resources are also available from off-campus via the Web. Library instruction in the research process is offered via individualized assistance. The Library also offers a Library and Information Technology certificate program that prepares students to work in libraries as paraprofessionals.

In addition, the LRC provides access to electronic classrooms, open access computer labs, American Disability Act-compliant computer stations, and laptop computer ports throughout the building.

The Learning Skills and Tutoring program focuses on individual learning needs of students and supports them in becoming effective and successful learners. Students can also take advantage of alternative instructional delivery systems including computer-assisted instruction and distance education.

Librarians, faculty coordinators, paraprofessionals and support staff assist students at every stage of the study and research processes, helping them build the academic skills they need to succeed at SCC as well as lifelong learning and information competency skills.

Distance Education

Courses offered via distance education are designed to fit busy schedules and advance academic goals with a challenging educational experience. Distance Education courses offer learning opportunities outside of the physical classroom by integrating internet and telecommunications technologies into the learning process, bridging the physical and time separation between the instructor and students.

Sacramento City College is committed to giving our DE students the same individual support, academic standards, and experienced faculty found in our classrooms, along with the freedom to choose the learning modality: Online or On-Campus/Online Hybrid. Learning outcomes of Distance Education courses are equivalent to those established for traditional on-campus courses.

All courses offered, regardless of learning modality or scheduling option, meet the requirements and standards established by the college and result in the award of full college credit. All of our DE courses are approved by the Sacramento City College Curriculum Committee to ensure a learning experience and level of academic rigor equivalent to our traditional on-campus courses.

DE courses are offered in both synchronous (real-time) and asynchronous (instructor and students are not necessarily working at the same time) modes, depending on the learning modality and course offering. Distance Education courses are offered in the following learning modalities:

On-Campus/Online Hybrid

Hybrid courses combine on-campus meetings with online course activities. On-Campus/Online Hybrid courses are great for students who are not sure they are ready for a fully online course or who prefer to mix online with on-campus meetings. Time spent in on-campus classroom sessions is reduced (amount varies by course) and online coursework is assigned, such as lectures, research, discussion, and other assessments. The online portion of the course is completed using a web-based learning management system that allows students to access course lectures and materials, post assignments, and interact with the instructor and other students. Access to coursework is limited to enrolled students with a valid student ID and student password.

Online Courses

Classes are offered via the Internet using the Los Rios e-Learning system (Desire2Learn). Some courses require exams to be taken on campus; more information about on-campus orientation and testing requirements for a specific course can be found in the Schedule of Classes. Instructors use a variety of teaching approaches and assignments online, just as they do in traditional on-campus classes. Online coursework is completed using a Web-based learning management system that allows students to access course lectures and materials, post assignments, and interact with the instructor and other students. Access to coursework is limited to enrolled students with a valid student ID and student password.

Instructor/Student Contact

In DE courses, ensuring regular effective instructor/student contact guarantees that the student receives the benefit of the instructor's presence in the learning environment both as a provider of instructional information and as a facilitator of student learning. Faculty teaching Distance Education courses at Sacramento City College maintain regular effective contact with students using a combination of these methods:

- Individual email from instructor
- Email listserv or group distribution lists
- Threaded discussion boards
- Blog or FAQ postings
- Instant messaging
- Online chat room
- Telephone call to/from instructor
- Videoconferencing
- Onsite orientation sessions
- Onsite group meetings
- Onsite tests or assessments
- Onsite review sessions
- Other (as approved by the SCC Curriculum Committee)

Student Readiness for DE Courses

Distance Education courses can be challenging. There are many factors prospective students should consider before enrolling in a DE course, such as familiarity and level of comfort using technology, access to technology resources, ability to work independently, and level of self-motivation. Students who are considering enrollment in a Web-based course are advised to take the self-assessment provided on our website at http://www.scc.losrios.edu/online/. Students with questions are encouraged to contact their academic counselor for assistance in determining readiness for DE courses.

For complete information on the Distance Education Program including the technology requirements, visit the DE website at http://www.scc.losrios.edu/online/ or contact the Distance Education Office at (916) 558-2146.

Illegal Distribution of Copyrighted Materials

Sacramento City College students are prohibited from using the Los Rios Community College District (LRCCD) information network to illegally download or share music, video and all other copyrighted intellectual property. The colleges of the LRCCD, including this one, support the Higher Education Opportunity Act and Digital Millennium Copyright Act, which aims to eliminate the illegal distribution of copyrighted material. Under the law, college administrators may be obligated to provide copyright holders with information about users of the LRCCD information network who have violated the law.

Be aware that illegal forms of downloading and file sharing as well as the unauthorized distribution of copyrighted materials are violations of the law and may subject you to academic sanctions from the college as well as criminal and civil penalties, including a lawsuit against you by the Recording Industry Association of America (RIAA). Learn more at www.campusdownloading.com. In addition to being illegal, file sharing drains the LRCCD network's bandwidth slows computer

connections for students and employees who are using the network for legitimate academic purposes and ultimately costs the college money. LRCCD and its colleges have developed policies and consequences to ensure that students properly use the information LRCCD network and respect music and other forms of intellectual property as well as conduct reflecting responsible use of the Internet. Review these policies at www.losrios.edu/legal/Policies/P-8000/P-8000.htm and especially www.losrios.edu/legal/Policies/P-8000/P-8861.htm. There are plenty of easy, affordable ways to get music online legally. To protect their intellectual property, companies have licensed hundreds of digital partners that offer a range of legal downloading options, including download and subscription services, legitimate peer-to-peer services, video-on-demand, podcasts, and CD kiosks. For a list of sources that offer legal downloading sites, access www.riaa.com.

Instructional Media Center

The Instructional Media Center, located on the first floor of the Learning Resource Center, houses the library's non-print collection. Video/DVDs, audio/visual equipment, and course-specific software are available for circulation and/or in-house use. Media materials placed on Reserve by faculty are also available. The Instructional Media Center provides a number of viewing stations as well as group viewing rooms. Dedicated computers provide access to LOIS, the online catalog that identifies material at SCC and other Los Rios Community College District libraries. Through the interlibrary loan service, students may borrow titles from other Los Rios libraries and have them delivered to SCC. A computer lab equipped with PCs loaded with basic application software (word processing, spreadsheet, desktop publishing, etc.) and Internet access is located in this area.

Learning Skills and Tutoring Program

The Learning Skills and Tutoring Program provides learning opportunities and skills assistance to students who would like to be effective, successful learners. In the Learning Skills and Tutoring Center, located on the first floor of the Learning Resource Center, students will find peer tutoring; online resources; Beacon PAL collaborative learning groups; multimedia instructional materials; and various learning assistance and study skills guides. These resources and services are available days and evenings. The program also recruits, hires, and trains tutors who work in the center and throughout the campus at various specialized tutoring labs (Athletic Study Skills, Business and Computer Information Science Division Computer Lab, Communication Training, Math Lab, Writing, Advanced Technology and Design, and various occupational labs).

In addition, the Learning Skills and Tutoring Center coordinators offer several courses. Individualized instruction designed to help students acquire, improve or refresh basic reading, writing, or arithmetic skills is offered as LTAT 92, Prerequisite Skills Assistance. The course content is tailored to the individual student's needs and abilities. All enrolled students consult with the Learning Skills and Tutoring coordinators to determine the curriculum to be mastered. Instruction is offered via computer-assisted modules.

All students can benefit from LTAT 300, Academic Skills. The course is available online. Students 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 about time management, concentration, memory improvement, and listening strategies. This is an excellent course for anyone interested in establishing a strong academic skills foundation or in brushing up on his or her study skills.

The availability of peer tutoring is an important piece in SCC's effort to support student success. SCC knows that good training shapes good tutors. The center coordinators teach two tutor training courses, LTAT 310, Introduction to Individual Peer Tutoring, and LTAT 311, Introduction to Group Peer Tutoring; both are one-unit courses.

Students are invited to explore the center and its resources and to discuss their individual learning needs or concerns with the Learning Skills and Tutoring Center coordinators. More information can also be found on the program website at http://www.scc.losrios.edu/tutoring.

Learning Resources Computer Labs

The Learning Resources Division provides students access to two computer labs for academic purposes. The labs, located in the Learning Resource Center (LRC 144) and the Business Building (BUS 152), are equipped with PCs loaded with basic applications software (word processing, spreadsheet, desktop publishing, etc.) and Internet access. In some cases, certain course-specific software is also available. Instructional assistance is available in both labs. In addition to the two academic labs, many divisions and the outreach centers have subject specific labs where computers with instructional software and instructional assistance are available. A listing of computer lab hours and locations is located online at http://www.scc.losrios.edu/campusservices/computerlabs/.

Library Services

The SCC Library, located in the Learning Resource Center on the second and third floors, is one of the largest and most comprehensive community college libraries in California. The second floor contains reference services and the reference book collection, circulation services and the reserve book collection, research computers, a popular reading section, the print periodical collection, and group study rooms. The third floor houses the Library's circulating book collection of over 70,000 volumes, the Special Collections (Archives) room, and an expansive quiet study environment that is flooded with natural light.

Librarians are available to guide students through the research process at their own pace and according to their own needs whenever the library is open. Students are also encouraged to sign up for non-credit orientations to library services and resources. These orientations are designed to make course work more productive and rewarding. Librarians also offer assistance via email and online chat. Please visit In person or via the Web, or call the Research Help Desk to inquire at (916) 558-2461.The Library also offers a variety of credit courses that cover library research skills and the use of the Internet for research. Selected credit courses are taught online. Library courses are listed in the SCC course catalog and the Schedule of Classes in the Library and Library and Information Technology sections.

Library resources include the library catalog, which identifies books, periodicals, and non-print materials available at SCC and in the other Los Rios Community College District libraries. In addition to the print book and periodical collections, the Library provides online access to the full text of thousands of ebooks, magazines, journals, and newspapers, as well as to full-text literary criticism, biography, business information, statistics, international affairs, and current events through its research databases. These electronic resources are available to the SCC community on the Web from any off-campus location simply by visiting the Library's website at www.scc.losrios.edu/library.

Librarians also help students identify reliable websites and information in order to expand their research to the Internet. Through the Library's interlibrary loan service, staff and students can borrow books and articles from libraries throughout the district and region and have them delivered to SCC.

The Library is equipped with fee-based photocopiers and laser printers, a color printer, scanners, microform reader-printers, and 36 computer stations, including two stations loaded with adaptive software and reserved at all times for students with disabilities.

Writing Center

The mission of the Writing Center is to help students become more effective, confident, and independent writers by providing assistance with writing for all SCC courses. The center offers individual writing tutoring sessions and workshops to help students with all stages of the writing process. Tutors can help students with understanding a writing assignment, getting started, developing a thesis, organizing, revising, understanding grammar, and learning strategies for editing. Peer writing tutors who work at the Writing Center take a one-unit course, LTAT 312, in which they learn methods and strategies for tutoring writing.

Safety on Campus

Safety and security are given the highest priorities at Sacramento City College (SCC). Although the Los Rios Police Department (LRPD) has a major role in promoting a safe learning environment, safety and security is everyone's responsibility. SCC takes a proactive approach to safety that promotes awareness and prevention and students, staff, and faculty form a strong partnership to reduce the opportunity for criminal/anti-social activities.

The Los Rios Police Department patrols the campus 24 hours a day, seven days a week. Los Rios police officers are P.O.S.T. certified and are sworn peace officers as defined by section 830.32 of the California Penal Code and under California Education Code 72330. Officers have the authority to make arrests for violations and the authority to conduct investigations. In addition, officers enforce traffic and parking regulations, detect and report safety/fire hazards, and promote crime prevention. All police officers are first aid and CPR certified.

Police Contact Information

The Police Department Office Is located on Panther Parkway, and the office hours are from 8:00 a.m.- 5:00 p.m. Monday-Friday; however, the campus is patrolled and the Police Communications Center is staffed 24 hours a day, seven days a week. To report a crime or request assistance, call (916) 558-2221 (or just 2221 if using a campus phone) and there are also numerous emergency phones located throughout the campus.

Animals on Campus

Animals are not allowed on the campus unless covered by the Los Rios Community College District Policies P-6000 and Regulations R-2426, R-5178, R-6167, and R-9159.

Campus Security Act of 1990

The Campus Security Act of 1990 (20 USC 1092 [Clery Act]) requires that all colleges and universities receiving Title IV student aid assistance prepare and distribute an annual report (Clery Report), which sets forth its policies on crime prevention issues and gives statistics on the number of specific crimes that occur on campus and other defined locations and the number of arrests on campus for liquor law and drug abuse violations, and weapons possession. In addition, the act requires colleges and universities to provide timely warnings to the campus community of certain crimes reported to law enforcement, which may represent a continued threat to other students and employees.

Annually, before October 1st, the Clery Report is published for public dissemination. This data is sent electronically to all students, staff, and faculty and is also available on the SCC Web site under the Los Rios Police Department (LRPD) at http://www.police.losrios.edu/pdf/annualcleryreport.pdf. Copies of the Clery Report may be obtained from the Los Rios Police Department located at the base of the parking structure (main entrance off of Sutterville Road).

Drug and Alcohol Free Campus

The abuse of illicit drugs and alcohol disrupts classes, compromises our physical and mental health, subjects us to criminal penalties, and impairs our ability to benefit from the learning experience. Therefore, the faculty, staff and administrators of Sacramento City College ask you to support the operation of 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.

Health Consequences

Use of controlled substances can lead to memory loss, indifference to academic achievement, impaired judgment, overdose, sudden death, liver disease, psychological disorders, and brain damage. Long-term alcohol abuse can cause ulcers, gastritis, pancreatitis, liver disease, cancer, loss of coordination, heart disease, stroke, emotional distress, sexual dysfunction, and other health problems.

For confidential assistance and referral, call any of the following:

On campus:	
Counseling	(916) 558-2204
Health Office	(916) 558-2367
Off campus:	
Sacramento Mental Health Center	(916) 732-3637
Sacramento County Health & Human Services	(916) 874-9754
Alcoholics Anonymous	(916) 454-1100
Narcotics Anonymous	(916) 732-2299

Legal Sanctions

The LRCCD Standards of Student Conduct prohibit the use, sale or possession on campus, or presence on campus under the influence of, any controlled substance.

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.

Los Rios Community College District Policy

Los Rios Community College District policy 2443 states that the District ". . . is committed to maintaining a drug and alcohol free workplace in accordance with the requirements of the U.S. Drug-Free Workplace Act of 1988, and the 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."

Reporting Sexual Assault

Any student, faculty or staff member who is a complainant of sexual assault at a College facility should notify the Los Rios Police Department. With the consent of the complainant, the College Police Department will notify the Dean of Counseling and Student Success and the College Health Office. The complainant may also report alleged sexual assault directly to the College Nurse in the Health Office.

Pursuant to legal requirements, the College Police Department will notify the appropriate local law enforcement agency of the reported sexual assault. Upon notification of a sexual assault, the Los Rios Police Department (LRPD) or College Nurse will provide the complainant with a description of college resources and services available to the complainant as well as appropriate off-campus services. This listing of resources and services shall be updated yearly or more frequently as required. A complainant of sexual assault shall be kept informed by the College President/designee of the status of and disposition of any District/College disciplinary proceedings in connection with the sexual assault.

"Sexual assault" is broader than sexual violence and includes, but is not limited to, rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, domestic violence, dating violence, stalking, or 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 and Administrative Regulation (P/R-2423). It should also be reported to the Los Rios Police Department or other appropriate law enforcement.

"Affirmative consent" means affirmative, conscious, and voluntary agreement to engage in sexual activity. It is the responsibility of each person involved in the sexual activity to ensure that he or she has the affirmative consent of the other or others to engage in the sexual activity. Lack of protest or resistance does not mean consent, nor does silence mean consent. Affirmative consent must be ongoing throughout a sexual activity and can be revoked at any time. The existence of a dating relationship between the persons involved, or the fact of past sexual relations between them, should never by itself be assumed to be an indicator of consent.

The District/Colleges shall respect the privacy of individuals involved in a report of sexual assault and shall keep the name of the complainant confidential. If compelled to reveal the complainant's name to the respondent, the District/Colleges shall inform the complainant prior to

the commencement of the investigation. Complainants and third parties may make confidential reports. If the complainant requests confidentiality or asks that a complaint not be pursued, the District shall take all reasonable steps to investigate and respond to the complaint consistent with the request for confidentiality or request not to pursue an investigation. At the same time, the District shall evaluate the request in the context of its responsibility to provide a safe and nondiscriminatory environment for all students. The request for confidentiality shall be weighed against the following factors: the seriousness of the alleged harassment; the complainant's age; whether there have been other harassment complaints about the same respondent; and the respondent's rights to receive information about the allegations if the information is maintained by the District/College.

In its initial response, each College shall provide the complainant with information to assist the complainant. This information shall include written documentation about preserving evidence and the identification and location of witnesses.

The District/Colleges shall respond to reports of non-stranger sexual assault in the same manner as it does to reports of stranger sexual assault. This response shall include appropriately reporting the matter to the police as well as engaging the discrimination and harassment complaint procedures. The review of the incident shall examine the role that alcohol or drugs may have played in the incident. Further, complainants and witnesses in an investigation of sexual assault shall not be subject to discipline for the student Standards of Conduct unless the violation was egregious. An egregious violation is an action that places the health or safety of any other person at risk or involves plagiarism, cheating, or academic dishonesty.

The complainant shall be provided with written notification about the availability of, and contact information for, on-campus and off-campus resources and services, and coordination with law enforcement, as appropriate. In addition, the complainant shall be provided with information about criminal prosecutions; civil prosecutions; the disciplinary process through the College; and the availability of mediation, academic assistance alternatives, and mental health counseling.

Services

Personal Safety Escorts: Officers or student patrols will provide safety escorts to any campus location upon request (i.e. from the main campus to a parking lot).

Emergency Automotive Assistance: While not mechanics, LRPD officers are equipped and trained to start cars with dead batteries or unlock non-electric car locks when keys have been left inside the automobile. Proper identification is required.

Crime Prevention: The key to crime prevention is awareness gained through education. The LRPD provides crime prevention training upon request. Some events such as Sexual Assault Awareness Workshops are conducted each semester.

Lost and Found is located at the Police Department. Items can be picked up/dropped of during business hours (Mon-Fri/8:00 a.m.-5:00 p.m.)

Emergency Telephones located throughout the campus are linked directly to the Police Communications Center. Use these phones to report crimes in progress, suspicious individuals or circumstances, or for any other serious or emergency situation.

Restraining Orders will be enforced by the Los Rios Police Department. A copy of the order must be on file. Contact the LRPD for specific information.

Parking information is available at the Police Department. Days and hours of permit enforcement are Monday through Thursday 7:00 a.m. to 11:00 p.m., Friday, 7:00 a.m.-5:00 p.m. whenever classes are in session. Disabled parking, red and green zones, and overnight parking are enforced at all times.

Lock Removal (i.e. padlocks from lockers) can be requested by contacting the Police Communications Center. Proof of ownership/assignment and valid identification is required.

Smoking – Environmental Standards

Smoking is prohibited in all College/District facilities. Smoking is prohibited within 30 feet of any building entrance, exit, door, operable window and/or air intake duct (LRCCD regulation 1411.5.10). In addition to LRCCD regulation, and to promote a smoke–free, clean air environment, smoking at all Sacramento City College locations is permitted only in Designated Smoking Areas and parking lots. Designated Smoking Areas can be found at various locations throughout the campus. To ensure a clean environment, smoking waste (e.g. butts, filters, e-cigarettes) should be placed in appropriate waste receptacles. Smoking in non-designated smoking areas and inappropriate disposal of smoking waste may be subject to discipline. This new regulation includes electronic inhalant devices. (More on the regulation is available online: www.scc.losrios.edu/healthservices/scc-smoking-regulations). For individuals interested in quitting smoking or smokeless tobacco use, free cessation services are provided in Health Services (Rodda Hall North, RHN 125). Additionally, for help quitting, contact the California Smokers' Helpline at 1-800-NO-BUTTS or visit www.californiasmokershelpline.org.

Student Right-to-Know Disclosure

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 web site at http://srtk.cccco.edu/index.asp.

Visitors to the College

Visitors are welcome to visit the campus at any time during business hours. Parking is available in all student lots. Restrictions are enforced Monday through Friday, and a valid permit must be displayed.

Ordinarily, individuals are not permitted to attend classes unless they are enrolled students. In exceptional circumstances, visitors may be permitted to visit a class, but only with the permission of the instructor conducting the class.

Transportation and Student Parking

Bicycle Lockers and Racks
Approximately 500 rack spaces, including 35 bicycle lockers, are available on campus. Bicycle lockers may be rented at the Business Office. Caltrans Bicycle route maps are available at the transportation information display (Rodda Hall North). All students are required to walk, not ride, their bicycles in the quad area.

Car Pool Spaces on 12th Avenue - City of Sacramento
The City of Sacramento controls permit parking in about 30 spaces along the north side of the college on 12th Avenue. The permits are limited and require application to the city. Additional information may be obtained by calling (916) 808-5354 or visiting their offices at 915 I Street, room 1214, Sacramento, CA.

Disabled (Handicapped) Parking
Parking for people with disabilities is available throughout the campus. All parking spaces are clearly marked with standard blue color and signage. Parking in these spaces is strictly enforced. A blue handicapped placard or handicapped license plate is required and MUST be visible when occupying a handicapped space on campus. To utilize a handicapped placard to park in a white/student space or yellow/staff space on campus, the applicable student or staff permit must be visible along with the handicapped placard/plate. (LRCCD Regulation 2252 and Ed Code 54100). Temporary disabled permits are available at the College Health Office for those with temporary injuries. Medical verification must be provided.

Liability
The college and the district are not responsible for any vehicle damaged, stolen, vandalized, or burgled.

Maintenance Allowance
The Los Rios Community College District will pay a maintenance allowance of $4.00 per day of scheduled attendance for the period in which the student is enrolled full time. Payment will be issued to the parents or guardians of minor students and directly to adult students and to married minors who reside in California more than sixty (60) miles from the nearest public community college campus. Application for maintenance allowance is filed in the office of Admissions and Records.

Motorcycles
Motorcycle parking spaces are available in most parking lots in designated spaces. Parking in these spaces requires a motorcycle permit obtained through the Business Office. As with any motor vehicle, the motorcycle must be properly registered with the California DMV to operate on the campus.

Parking Permits
All parking on campus requires a parking permit. Students may purchase a semester permit at the Business Office for $35. This is the most cost-effective pass if you attend school two or more days per week. The semester permit may either be placed on the inside of the front windshield, passenger side, lower corner, or hung from the rear view mirror. These are the only acceptable options for the display of a semester pass. Daily permits may be purchased for $2 from any of the parking machines located throughout the student parking lots and should be placed visibly on the dash. All permits must be visible in order to be valid. Daily permits that are numerically stamped from other Los Rios Community College District campuses (ARC, CRC, or FLC) are not accepted at SCC. Semester permits from those campuses are accepted. Either a semester permit or an SCC daily permit obtained from a surface lot is required in the parking garage. Daily permits are not available inside the garage. Permit Parking is enforced Monday through Thursday from 7:00 a.m. to 10:00 p.m. and Friday from 7:00 a.m. to 5:00 p.m. All red zones (no parking), green zones (limited time parking), and blue zones (handicapped) are enforced 24 hours a day, 365 days of the year.

Parking Refunds
The portion of the parking permit containing the decal number must be attached to the refund application. Requests for parking refunds may not be submitted online. The parking fee is 100% refundable up to the 10th day of the semester (fifth day of summer term). There are no refunds after that day. The date the refund application is received in the Business Services Office determines refund eligibility.

Note: At the time of this publication, fees were set at the levels stated here, but are subject to change pending Legislative action. Students will be billed for, and are required to pay, any increase in fees.

Parking Structure and North Lot
All students are to park in white lined spaces. The majority of student spaces are located in the Parking Structure and North Lot. Students are encouraged to park on campus as the lots are patrolled regularly. Motorcycle parking is also available in designated areas. Hours of operation for the parking garage are Monday through Friday from 6:00 a.m. to 11:30 p.m. and Saturday and Sunday from 7:00 a.m. to 8:00 p.m.

RT Bus and Light Rail/Student Access Card
Regional Transit has expanded bus and light rail service, making it even easier to take public transportation to Sacramento City College. Students may also park at any of the park-and-ride stations along the line and take light rail directly to the City College station just east of Hughes Stadium. Students approved a Universal Transit Pass fee that allows students to use all public transit bus and light rail systems in Sacramento, Yolo, Folsom, El Dorado, and Elk Grove at a greatly reduced rate. Your Student Access card is your transit pass and it is good seven days a week from August 1 through December 31 and from January 1 through May 31. This is an incredible bargain. To find out how to get your Student Access Card, please go to www.losrios.edu and click on “Student Access Card.” Bus and light rail route information is available on the first floor of Rodda Hall North, 321-BUSS (2877), TDD 483-HEAR (4327), www.sacrt.com, and yolobus.com.

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Degrees, Certificates, Transfer Majors, and Courses

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

Associate in Arts Degree (A.A.)
Associate in Science Degree (A.S.)

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, fulfill general education requirements, satisfy competencies, and sufficient electives to meet a minimum total of 60 units with a grade point average of 2.0 ("C" average).

Certificates

Sacramento City College offers two types of Certificates:

Certificate of Achievement (COA) is offered to students who complete the program requirements. Certificates of Achievement (12 units or more of degree-applicable courses) are intended to certify that students completing all required courses for a major are prepared to enter the careers designated on their certificates. Certificates of Achievement require grades of "C" or better in each course with a minimum of 12 units completed at Sacramento City College.

Certificates (C) are intended to certify that students completing all required courses for a major are prepared to meet specific occupational needs, upgrade skills, or for advancement in an existing career. Certificates require 11.5 units or less with grades of "C" or better in each course. The certificate requires that all courses listed in the Required Program of study be completed at Sacramento City College.

Gainful Employment Disclosures

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that "prepares students for gainful employment in a recognized occupation." Information about program costs, financing, and student success can be accessed for Certificates of Achievement (18 or more units) through the link in the catalog certificate information or through the Gainful Employment Disclosure link in the footer of the Sacramento City College website.

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

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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Sacramento City College offers the following Associate Degrees for Transfer (see the specific disciplines below):

- Administration of Justice, AS-T
- Anthropology, AA-T
- Art History, AA-T
- Business Administration, AS-T
- Communication Studies, AA-T
- Early Childhood Education, AA-T
- Elementary Teacher Education, AA-T
- English, AA-T
- Geography, AA-T
- Geology, AS-T
- History, AA-T
- Journalism, AA-T
- Kinesiology, AA-T
- Mathematics, AS-T
- Music, AA-T
- Philosophy, AA-T
- Political Science, AA-T
- Psychology, AA-T
- Sociology, AA-T
- Spanish, AA-T
- Studio Arts, AA-T
- Theatre Arts, AA-T

Associate Degrees and Certificates of Achievement

Accounting

Degree:
- A.S. - Accounting

Certificates of Achievement:
- Accounting Clerk
- Full Charge Bookkeeper

Administration of Justice

Degrees:
- A.A. - Administration of Justice
- AS-T - Administration of Justice for Transfer

Aeronautics

Degrees:
- A.S. - Airframe
- A.S. - Air Traffic Control
- A.S. - Aircraft Dispatcher
- A.S. - Combined Airframe and Powerplant
- A.S. - Flight Technology
- A.S. - Powerplant

Certificates of Achievement:
- Airframe
- Aircraft Dispatcher
- Combined Airframe and Powerplant
- Flight Technology
- Powerplant

Anthropology

Degrees:
- A.A. – Anthropology
- AA-T - Anthropology for Transfer

Art

Degrees:
- A.A. - Art
- AA-T - Studio Arts

Art History

Degrees:
- A.A. - Art History
- AA-T - Art History for Transfer

Biology
Degree:
A.S. - Biology
Certificate of Achievement:
Field Ecology

Business
Degrees:
A.S. - Business, General
AS-T - Business Administration for Transfer
A.S. - Management
A.S. - Marketing
A.S. - Marketing, Advertising
A.S. - Real Estate
A.S. - Small Business Management
A.S. - Virtual Office and Management Technologies, Level D
Certificates of Achievement:
Management
Marketing
Office Administration - Computer Keyboarding and Office Applications
Office Administration - Clerical General Office, Level A
Office Administration - Introduction to Computerized Office Technologies, Level B
Office Administration - Business Operations and Management Technology, Level C
Office Administration - Virtual Office and Management Technologies, Level D
Real Estate
Retail Management
Small Business Management

Chemistry
Degrees:
A.S. - Chemistry
A.S. - Chemical Technology
Certificate of Achievement:
Chemical Technology

Communication
Degrees:
A.A. - Communication
AA-T - Communication Studies for Transfer

Community Studies (Emphasis on Direct Services)
Degree:
A.A. - Community Studies (Emphasis on Direct Services)
Certificate of Achievement:
Community Studies (Emphasis on Direct Services)

Computer Information Science
Degrees:
A.S. - Computer Science
A.S. - Information Processing
A.S. - Information Systems Security
A.S. - Management Information Science
A.S. - Network Administration
A.S. - Network Design
A.S. - Web Developer
Certificates of Achievement:
Advanced CISCO Networking
Computer Science
Information Processing Specialist
Information Processing Technician
Information Systems Security
Management Information Science
Network Administration
Network Design
PC Support
Programming
Web Developer
Webmaster, Level 1
Webmaster, Level 2
Word Processing Technician

Cosmetology
Degree:
A.S. - Cosmetology
Certificates of Achievement:
Art and Science of Nail Technology
Cosmetology

Dental Assisting
Degree:
A.S. - Dental Assisting
Certificate of Achievement:
Dental Assisting

Dental Hygiene
Degree:
A.S. - Dental Hygiene

Early Childhood Education
Degrees:
A.A. - Child Development
AA-T - Early Childhood Education for Transfer
A.A. - Early Childhood Education Administration
A.A. - Early Childhood Education Teacher
Certificates of Achievement:
Family Child Care
Infant Care and Education Teacher
School-Age Care and Education Teacher

Education/Teaching Degree
AA-T - Elementary Teacher Education

Electronics Technology
Degrees:
A.S. - Automated Systems Technician
A.S. - Electronics Facilities Maintenance Technician
A.S. - Microcomputer Technician
A.S. - Telecommunications Technician
Certificates of Achievement:
Automated Systems Technician
Electronics Facilities Maintenance Technician
Electronics Mechanic
Microcomputer Technician
Telecommunications Technician

Engineering
Degrees:
A.S. - Civil
A.S. - Electrical/Computer
A.S. - General
A.S. - Mechanical/Aeronautical

Engineering Design Technology
Degrees:
- A.S. - Architectural/Structural Drafting
- A.S. - Electric (Power-Lighting Systems)
- A.S. - Engineering Design Technology
- A.S. - HVAC Systems Design
- A.S. - Mechanical (HVAC/Plumbing Systems)
- A.S. - Surveying (Geomatics)

Certificates of Achievement:
- Architectural/Structural Drafting
- Electric (Power-Lighting Systems)
- HVAC Systems Design
- Mechanical (HVAC/Plumbing Systems)
- Surveying (Geomatics)

English
Degrees:
- A.A. - English
- AA-T - English for Transfer

Ethnic Studies
Degrees:
- A.A. - African-American Emphasis
- A.A. - Asian-American Emphasis
- A.A. - Mexican-American Emphasis
- A.A. - Native-American Emphasis

Family and Consumer Science
Degree:
- A.A. - Family and Consumer Science

Fashion - Applied Apparel Studies
Degrees:
- A.A. - Applied Apparel Studies Production
- A.A. - Custom Apparel Construction and Alterations

Certificates of Achievement:
- Applied Apparel Studies Construction
- Custom Apparel Construction and Alterations
- Fashion Design and Production

Foreign Languages
Degree:
- AA-T Spanish for Transfer

Geography
Degree:
- AA-T - Geography for Transfer

Geology
Degree:
- AS-T - Geology for Transfer

Gerontology
Degree:
- A.S. - Gerontology

Certificate of Achievement:
- Gerontology

Graphic Communication
Degree:
- A.S. - Graphic Communication

Certificates of Achievement:
- 3D Animation and Modeling
- Game Design
- Graphic Communication
- Graphic Design
- Interactive Design
- Web Design

History
Degrees:
- A.A. - History
- AA-T - History for Transfer

Instructional Assisting
Degrees:
- A.A. - Instructional Assisting - Bilingual/Bicultural
- A.A. - Instructional Assisting - General
- A.A. - Instructional Assisting - Special Education

Certificates of Achievement:
- Instructional Assisting - Bilingual/Bicultural
- Instructional Assisting - General
- Instructional Assisting - Special Education

Intercultural Studies
Degree:
- A.A. - Intercultural Studies

Interdisciplinary Studies
Degrees:
- A.A. - Arts and Humanities Emphasis
- A.A. - Math and Science Emphasis
- A.A. - Social and Behavioral Sciences Emphasis

International Studies
Degree:
- A.A. - International Studies

Journalism
Degrees:
- A.A. - Journalism
- AA-T - Journalism for Transfer

Certificates of Achievement:
- Multimedia News Specialist
- Visual Journalism

Kinesiology (Formerly Physical Education)
Degrees:
- A.A. - Kinesiology - Exercise Science
- AA-T - Kinesiology for Transfer

Certificate of Achievement:
- Athletic Coaching Certification
- Fitness Instructor Certification

Library and Information Technology
Degree:
- A.S. - Library and Information Technology

Certificate of Achievement:
- Library and Information Technology

Mathematics
Degrees:
- A.S. - Mathematics
- AS-T - Mathematics for Transfer

Mechanical-Electrical Technology
Degree:
- A.S. - Mechanical-Electrical Technology

Certificates of Achievement:
- Commercial Building Energy Auditing and Commissioning Specialist
- Mechanical-Electrical Technology
- Mechanical Systems Technician

Music
Degrees:
- A.A. - General
- A.A. - Commercial Music, Audio Production Emphasis
- A.A. - Commercial Music, Music Business Management Emphasis
- A.A. - Commercial Music, Performance Emphasis
- A.A. - Commercial Music, Songwriting/Arranging Emphasis
- AA-T Music for Transfer

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:
- A.S. - Registered Nursing
- A.S. - Vocational Nursing

Certificate of Achievement:
- LVN-RN 30-Unit Option
- Vocational Nursing

Nutrition and Foods
Degree:
- A.S. - Nutrition

Occupational Therapy Assistant
Degree:
- A.S. - Occupational Therapy Assistant

Philosophy
Degree:
- AA-T Philosophy for Transfer

Photography
Degree:
- A.A. - Photography

Certificates of Achievement:
- Commercial and Magazine Photography
- Photography
- Portrait and Wedding Photography
- Visual Journalism

Physical Therapist Assistant
Degree:
- A.S. - Physical Therapist Assistant

Political Science
Degrees:
- A.A. - Political Science
- AA-T - Political Science for Transfer

Pre-professional Majors

Psychology
Degrees:
- A.A. - Psychology
- AA-T - Psychology for Transfer

Railroad Operations
Degree:
- A.S. - Railroad Operations

Certificate of Achievement:
- Railroad Operations

Social Sciences
Degree:
- A.A. - Social Sciences

Sociology
Degrees:
- A.A. - Sociology
- AA-T - Sociology for Transfer

Theatre Arts
Degrees:
- A.A. - Acting-Directing Emphasis
- A.A. - Technical Production Emphasis
- AA-T - Theatre Arts for Transfer (approval pending)

Theatre Arts Film
Degree:
- A.A. - Film

Certificates of Achievement:
- Film Production
- Film Studies

Women's Studies
Degree:
- A.A. - Women's Studies

Sacramento City College offers the following certificate (under 11.5 units):

Business
- Customer Service

Sacramento City College offers the following Areas of Study - Courses Only:

Allied Health
Astronomy
Community Leadership Development
Economics
English as a Second Language
Experimental Offerings in (Subject)
Foreign Languages (courses only)
- Arabic
- Cantonese/Chinese
- French
- German
- Greek
- Italian
- Japanese
- Korean
- Mandarin/Chinese
- Persian
- Punjabi
- Russian
- Spanish - Please also see Spanish for Transfer degree
- Tagalog
- Vietnamese

Geography
Geology
Health Education
Honors
Human Career Development
Human Services
Independent Studies
Interior Design
Learning, Tutoring, and Academic Technology
Library
Philosophy
Physics
Recreation
Sign Language Studies
Statistics
Student Government
Topics in (Subject)
Work Experience

Course Designators

Course designators are used to identify all course offerings in a specific subject/department (i.e., business courses have a "BUS" designator). The following reference list is for your convenience.

ACCT - Accounting
ADAPT - Adaptive Physical Education (See Kinesiology)
ADMJ - Administration of Justice
AERO - Aeronautics
AH - Allied Health
ANTH - Anthropology
ARABIC - Arabic (See Foreign Languages)
ART - Art
ARTH - Art History
ASTR – Astronomy
ATCAD - Air Traffic Control and Aircraft Dispatcher (See Aeronautics)
BIOL - Biology
BUS - Business
BUSTEC - Business Technology (See Business)
CANT - Cantonese/Chinese (See Foreign Languages)
CHEM - Chemistry
CISA - Computer Information Science - Applications
CISC - Computer Information Science - Core
CISN - Computer Information Science - Network
CISP - Computer Information Science - Programming
CISS - Computer Information Science - Security
CISW - Computer Information Science - Web
COMDE - Community Leadership Development
COMM - Communication
COSM - Cosmetology
DAST - Dental Assisting
DHYG - Dental Hygiene
ECE - Early Childhood Education
ECON - Economics
EDT - Engineering Design Technology
ENGR - Engineering
ENGCW - English - Creative Writing
ENGED - English - Education
ENGLB - English - Laboratory
ENGLT - English - Literature
ENGRD - English - Reading
ENGWR - English - Writing
ESL - English as a Second Language
ESLG - English as a Second Language - Grammar
ESLL - English as a Second Language - Listening
ESLP - English as a Second Language - Pronunciation
ESLR - English as a Second Language - Reading
ESLW - English as a Second Language - Writing
ET - Electronics Technology
FASHN - Fashion (See Fashion and Interior Design)
FCS - Family and Consumer Science
FITNS - Fitness (See Kinesiology)
FLTEC - Flight Technology (see Aeronautics)
FREN - French (See Foreign Languages)
GCOM - Graphic Communication
GEOG - Geography
GEOL - Geology
GERM - German (See Foreign Languages)
GERON – Gerontology
GREEK - Greek (See Foreign Languages)
HCD - Human Career Development
HEED - Health Education
HIST - History
HUM - Humanities
HSER - Human Services
IDES - Interior Design (See Fashion)
INDIS - Interdisciplinary Studies
ITAL - Italian (See Foreign Languages)
JAPAN - Japanese (See Foreign Languages)
JOUR - Journalism
KINES - Kinesiology
KOREAN - Korean (See Foreign Languages)
LIBR - Library
LIBT - Library and Information Technology
LTAT - Learning, Tutoring, and Academic Technology
MAND - Mandarin/Chinese (See Foreign Languages)
MATH - Mathematics
MET - Mechanical-Electrical Technology
MGMT - Management (See Business)
MKT - Marketing (See Business)
MUFHL - Music Fundamentals/History and Literature (See Music)
MUIVI - Instrumental/Voice Instruction (See Music)
MUP - Music Performance (See Music)
MUSM - Specializations in Music (See Music)
NURSE - Nursing, Registered
NUTRI - Nutrition
OTA - Occupational Therapy Assistant
PACT - Personal Activity (See Kinesiology)
PHIL - Philosophy
PHOTO - Photography
PHYS - Physics
POLS - Political Science
PRSIAN – Persian
PSYC - Psychology
PTA - Physical Therapist Assistant
PNJABI - Punjabi (See Foreign Languages)
RAILR - Railroad Operations
RE - Real Estate (See Business)
RECR - Recreation
RUSS - Russian (See Foreign Languages)
SGVT - Student Government
SILA - Sign Language Studies
SOC - Sociology
SOCSC - Social Science
SPAN - Spanish (See Foreign Languages)
SPORT - Sports (See Kinesiology)
STAT - Statistics
SURVY - Surveying (See Engineering Design Technology)
TA - Theatre Arts
TAFILM - Theatre Arts Film
TAP - Theatre Arts Performance
TGLG - Tagalog (See Foreign Languages)
TMACT - Team Activities (See Kinesiology)
VIET - Vietnamese (See Foreign Languages)
VN - Vocational Nursing
WEXP - Work Experience and Internships

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. Courses with C-ID numbers will be accepted at other participating community colleges or universities (only the CSU system is participating at this time). For example: C-ID CHEM 110 at this college (our CHEM 400) will be accepted by any other college that has been approved for the same C-ID CHEM 110 number.

Students should consult a counselor for specific information and assistance with evaluating course transferability. In addition, students should always go to www.assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit. Please refer to the C-ID course chart in the back of this catalog.

Course Numbering System

Sacramento City College has adopted a standardized course numbering system which is described below. The numbers are designed to provide students with general information regarding the focus and intent of courses.

1-99	Courses numbered 1 through 99 are credit courses that are considered developmental or basic skills and are not acceptable for the Associate Degree or transfer credit.
100-299	Courses numbered 100 through 299 are applicable to the Associate Degree and Certificates, but not accepted as transfer credit.
300-499	Courses numbered 300 through 499 are transferable, articulated with four-year institutions, and intended to meet major, general education or elective credit requirements. Courses transferable to the University of California are designated in the description. These courses are also applicable to the Associate Degree, Certificate of Achievement, and Certificates.
1000	Courses numbered 1000 are typically used to identify individualized tutoring (i.e., HSER 1000) or preparatory courses to assist students with skills for employment or licensure.

Course Prerequisites, Corequisites, and Advisories

It is the intent of Sacramento City College to guide students into courses in which they will have the greatest chance for academic success. There are courses in which students would be highly unlikely to succeed without being prepared with certain skills and knowledge. As a result, the college must limit enrollment in these courses to students who have demonstrated that they have the foundation to succeed.

A **Prerequisite** is a course requirement that a student must meet in order to demonstrate current readiness for enrollment in a course or educational program. Example: Students must complete ENGWR 300 with a grade "C" or better before they can enroll in ENGWR 301.

A **Corequisite** is a course that a student is required to enroll in at the same time as enrolling in another course. Example: Students must enroll in MATH 401 if they are enrolled in PHYS 410.

An **Advisory** is a suggested, but not required, course or skill level that a student is advised to meet prior to enrolling in a course or program. Example: PSYC 360 has an advisory of ENGRD 310 or ENGWR 101 completed with a grade "C" or better, indicating to the students that their critical reading and writing skills improve their chances of success in the psychology course.

Counselors and instructors can advise students about which courses to take. Their advice will be based on test scores, transcripts, and students' educational goals.

Prerequisite Challenge Procedure

If a student feels that he or she can meet the requirements, or if one of the conditions below exists, a student may challenge a prerequisite or corequisite. A Prerequisite Challenge Form can be obtained from any division office. Criteria for challenging a course are as follows:

1. The student has knowledge or ability to succeed in the course without the prerequisite.
2. The course that provides the prerequisite is not readily available.
3. The student believes that the prerequisite is discriminatory or being applied in a discriminatory manner.

Once the challenge procedure is completed, the challenge will be reviewed by faculty. The student will be informed in writing of the faculty's determination within five working days.

Cross Referenced or "Same As" Courses

Courses that are cross-referenced are indicated in parentheses following each of the particular courses. Students should be aware that credit will be given for ONLY one of the cross-referenced courses, but not for both. Also see "Same As" courses listed in the back of this catalog.

Accounting ACCT

Degree:
A.S. – Accounting

Certificates of Achievement:
Accounting Clerk
Full Charge Bookkeeper

Division of Business and Computer Information Science
Deborah Saks, Dean
Business Building 213
916-558-2581

Accounting

Associate in Science Degree

Program Information
The Accounting degree is designed for students planning to seek accounting positions in business, industry, or government upon completion of two years of college study. The program also meets the needs of employed individuals seeing 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.

Career Opportunities
The Accounting degree is designed to provide the knowledge necessary for immediate employment at an entry or intermediate level accounting, bookkeeping, 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.

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.
- use the microcomputer to record accounting transactions and prepare financial reports.
- 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 not limited to: individual taxation, auditing, governmental accounting, cost accounting, and payroll accounting.

Required Program

ACCT 101 Fundamentals of College Accounting 3
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 2
ACCT 343 Computer Spreadsheet Applications for Accounting 2
ACCT 361 Ethics, Fraud, and Legal Issues for Accountants 3
BUS 300 Introduction to Business 3
BUSTEC 300.2 Keyboarding/Applications: Document Formatting 1
CISC 310 Introduction to Computer Information Science 3

A minimum of 6 units from the following: 6
- ACCT 107 Auditing (3)
- ACCT 111 Cost Accounting (3)
- ACCT 121 Payroll Accounting (3)
- ACCT 125 Federal and State Individual Taxation (4)
- ACCT 151 Governmental Auditing (3)
- ACCT 153 Governmental Accounting (3)

A minimum of 9 units from the following: 9
- BUS 100 English for the Professional (3)
- BUS 105 Business Mathematics (3)
- BUS 320 Concepts in Personal Finance (3)
- BUS 330 Managing Diversity in the Workplace (3)
- BUS 340 Business Law (3)
- ECON 100 Introduction to Economics (3)
- ECON 302 Principles of Macroeconomics (3)
- MGMT 304 Introduction to Management Functions (3)
- MGMT 372 Human Relations and Organizational Behavior (3)
- CISA 305 Beginning Word Processing (2)
- CISA 310 Introduction to Electronic Spreadsheets (1)

Total Units Required **48**

Suggested Electives
ACCT 299, CISC 320

Associate in Science (A.S.) Degree
The Associate in Science 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.

Accounting Clerk

Certificate of Achievement

Program Information
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 small business technology and basic business principles courses. All courses in this certificate apply toward the requirements of the Full Charge Bookkeeper certificate.

Career Opportunities
Career opportunities would 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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding Gainful Employment, please visit: Accounting – Accounting Clerk/ Bookkeeper Entry Level, http://www.losrios.edu/gainful-emp-info/gedt.php?major=051044C04

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.
- compose written business communications.
- demonstrate proficiency in the use of word processing and spreadsheet software.
- create a personal resume and cover letter.
- develop and refine interviewing skills.

Required Program	Units
ACCT 101 Fundamentals of College Accounting	3
ACCT 131 Fundamental Payroll Administration	1.5
ACCT 132 Intermediate Payroll Administration	1.5
ACCT 290 Accounting Clerk Practicum	2
ACCT 341 Computerized Accounting	2
ACCT 343 Computer Spreadsheet Applications for Accounting	2
BUS 100 English for the Professional	3
BUS 105 Business Mathematics	3
BUSTEC 100.1 Keyboarding Skills: Beginning	1
BUSTEC 101 Computer Keyboarding: 10-Key	1
CISA 305 Beginning Word Processing	2
CISA 310 Introduction to Electronic Spreadsheets	1
Total Units Required	**23**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better.

Full Charge Bookkeeper

Certificate of Achievement

Program Information
The Full Charge Bookkeeper certificate program provides advanced occupational training in accounting and preparation for supervisory accounting positions. The program provides a strong background in financial and managerial accounting, basic business principles, and business technology.

Career Opportunities
Career opportunities would include higher level accounting positions, such as full charge bookkeeper, accountant, or accounting supervisor.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding Gainful Employment, please visit: Accounting – Accounting Clerk/ Bookkeeper – Advanced Level, http://www.losrios.edu/gainful-emp-info/gedt.php?major=051666C01

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.
- compile and analyze costs within a business organization.
- recognize federal and California payroll and business tax laws that affect organizations.
- develop information useful to management in the budgeting, planning, and decision-making processes of an organization.
- compose effective communications of financial information to managers, investors, creditors, and other interested parties.
- demonstrate proficiency in the use of word processing and spreadsheet software.
- integrate the principles of business and business law into accounting functions.
- demonstrate basic skills in identifying and applying for accounting positions.

Required Program	Units
ACCT 101 Fundamentals of College Accounting	3
ACCT 109 Introduction to Ethics and Fraud in Accounting	1.5
ACCT 131 Fundamental Payroll Administration	1.5
ACCT 132 Intermediate Payroll Administration	1.5
ACCT 134 California Payroll Administration	1.5
ACCT 138 Small Business Taxes	2
ACCT 290 Accounting Clerk Practicum	2
ACCT 292 Full Charge Bookkeeper Practicum	2
ACCT 301 Financial Accounting	4
ACCT 311 Managerial Accounting	4
ACCT 341 Computerized Accounting	2
ACCT 343 Computer Spreadsheet Applications for Accounting	2
BUS 100 English for the Professional	3
BUS 105 Business Mathematics	3
BUS 300 Introduction to Business	3
BUS 310 Business Communications	3
BUS 340 Business Law	3
BUSTEC 101 Computer Keyboarding: 10-Key	1
BUSTEC 100.1 Keyboarding Skills: Beginning	1
CISA 305 Beginning Word Processing	2
CISA 310 Introduction to Electronic Spreadsheets	1
Total Units Required	**47**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better.

Accounting (ACCT)

ACCT 101 Fundamentals of College Accounting 3 Units

Prerequisite: None.
Advisory: ENGRD 110, ENGWR 101, and MATH 34 with a grade of "C" or better.
Hours: 54 hours LEC
This is an introductory course in small business accounting. It covers the accounting cycle for service and merchandising businesses. Primary topics include identifying and recording accounting transactions and preparation of income statements, statements of owner's equity, and balance sheets. This course is highly recommended for students who intend to seek employment in a small service or merchandising business and is required for accounting degree and certificate candidates.

ACCT 103 Intermediate Accounting – Part I 4 Units

Prerequisite: ACCT 301 with a grade of "C" or better
Hours: 72 hours LEC
This course is a continuing study of accounting theory 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.

ACCT 104 Intermediate Accounting – Part II 4 Units

Prerequisite: ACCT 103 with a grade of "C" or better
Hours: 72 hours LEC
This course is a continuing study of financial accounting theory as related to stockholders' equity, earnings per share, investments, revenue recognition, income taxes, pensions plans, leases, cash flows, accounting changes, disclosure and reporting, and analysis of financial statements.

ACCT 107 Auditing 3 Units

Prerequisite: ACCT 103 with a grade of "C" or better
Hours: 54 hours LEC
This course covers procedures and practices used in the verification of accounting records and financial statements. External auditing functions will be emphasized.

ACCT 109 Introduction to Ethics and Fraud in Accounting 1.5 Units

Prerequisite: None.
Advisory: ACCT 101, ENGRD 110, and ENGWR 101; with a grade of "C" or better.
Hours: 27 hours LEC
This course explores ethics that must be addressed by bookkeepers and small business employees, including exploration through case studies. Topics in ethics include ethical foundations for personal and professional practice. A variety of case studies are evaluated to gain perspective into ethical lapses and fraud. Prevention techniques for and consequences of unethical and fraudulent behavior in the workplace and society are examined.

ACCT 111 Cost Accounting 3 Units

Prerequisite: ACCT 311 with a grade of "C" or better
Hours: 54 hours LEC
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 3 Units

Prerequisite: ACCT 101 with a grade of "C" or better
Hours: 54 hours LEC
This course covers current practices in payroll and payroll tax accounting and reporting. Federal and California laws pertaining to payroll will be studied. Topics include both manual and computer payroll systems with hands-on computer applications.

ACCT 125 Federal and State Individual Taxation 4 Units

Prerequisite: None.
Advisory: ACCT 101 or ACCT 301, AND ENGRD 310; with grades of "C" or better
Hours: 72 hours LEC
This course is a study of basic Federal and State Income Tax regulations with an emphasis on 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. The course is acceptable as an elective for civil service professional accounting operations and recommended for accounting majors. This course is also a California Tax Education Council (CTEC) qualifying education course and is offered to members of the community to enable them to become registered tax return preparers in the state of California and as preparation for the Federal Tax Return Preparers' Exam.

ACCT 131 Fundamental Payroll Administration 1.5 Units

Prerequisite: None.
Advisory: ACCT 101, ENGRD 110, ENGWR 101, and MATH 100; with a grade of "C" or better.
Hours: 27 hours LEC
This course covers the core activities that pertain to payroll processing under the Fair Labor Standards Act (FLSA) and Federal tax law. Topics include exempt and non-exempt employee classifications, overtime pay requirements, Federal income tax withholding calculations, box by box instructions for Federal Form W-2, and accounting related payroll transactions.

ACCT 132 Intermediate Payroll Administration 1.5 Units

Prerequisite: ACCT 131 with a grade of "C" or better
Advisory: ACCT 101, ENGRD 110, ENGWR 101, and MATH 100; with a grade of "C" or better.
Hours: 27 hours LEC
This course covers the intermediate payroll skills and expands knowledge and application skills in the areas of Federal law and regulatory compliance. Topics include the employer-employee relationship, taxable and nontaxable compensation, recordkeeping and record retention, paying the employee, involuntary deductions, and depositing and reporting withheld taxes.

ACCT 133 Advanced Payroll Administration 1.5 Units

Prerequisite: ACCT 132 with a grade of "C" or better
Advisory: ACCT 101, ENGRD 110, ENGWR 101, and MATH 100; with a grade of "C" or better.
Hours: 27 hours LEC
This course addresses the application skills and knowledge necessary for advanced level work in the payroll field. Topics include an emphasis on enforcement and penalties for employers, health, welfare, and retirement benefits, unemployment insurance, Sarbanes-Oxley compliance, accounting financial statements, payroll systems and technology, managing a payroll department, and payroll for United States employees abroad and non-citizens in the United States.

ACCT 134 California Payroll Administration 1.5 Units

Prerequisite: ACCT 131 with a grade of "C" or better
Advisory: ACCT 101, ENGRD 110, ENGWR 101, and MATH 100; with a grade of "C" or better.
Hours: 27 hours LEC
This course addresses the complex knowledge necessary for processing payroll for employees in the state of California based on the state's strict wage and hour requirements. Topics include an emphasis on Department of Industrial Relations enforcement guidelines, calculating overtime based on state wage and hour laws, garnishment guidelines, state disability, state income tax withholding, state unemployment, and alternative work weeks.

ACCT 138 Small Business Taxes 2 Units

Prerequisite: ACCT 101 with grades of "C" or better
Hours: 36 hours LEC
This course covers the local, state, and federal tax responsibilities of owning a small business in California. Topics include income taxes, payroll taxes, property taxes, sales taxes, unemployment insurance tax, and workers' compensation.

ACCT 151 Governmental Auditing 3 Units

Prerequisite: ACCT 107 and 153 with grades of "C" or better
Hours: 54 hours LEC
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 3 Units

Prerequisite: ACCT 301 with a grade of "C" or better
Hours: 54 hours LEC
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 290 Accounting Clerk Practicum 2 Units

Prerequisite: ACCT 101, ACCT 341, and CISA 310 with grades of "C" or better
Hours: 27 hours LEC; 27 hours LAB
Students will complete a simulation project that mirrors work that might be done in an accounting clerk position in a small business. This course also covers accounting job application skills. This is a capstone course for the Accounting Clerk certificate program.

ACCT 292 Full Charge Bookkeeper Practicum 2 Units

Prerequisite: ACCT 290 with a grade of "C" or better
Corequisite: ACCT 311
Hours: 27 hours LEC; 27 hours LAB
This course introduces various management skills necessary in the supervision of the accounting function in an organization. As part of this course, simulated and/or real-world financial and managerial accounting projects will be completed. This is a capstone course in the Full Charge Accountant certificate program.

ACCT 295 Independent Studies in Accounting 1-3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings.

ACCT 301 Financial Accounting 4 Units

Prerequisite: None.
Advisory: ENGRD 310 and MATH 100; or placement through the assessment process; with grades of "C" or better
Course Transferable to UC/CSU
Hours: 72 hours LEC
This is the study of accounting as an information system, examining 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. (C-ID ACCT 110)

ACCT 311 Managerial Accounting 4 Units

Prerequisite: ACCT 301 with a grade of "C" or better
Advisory: ENGRD 310 and MATH 100; or placement through the assessment process; with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 72 hours LEC
This 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. (C-ID ACCT 120)

ACCT 341 Computerized Accounting 2 Units

Prerequisite: ACCT 101 or 301 with a grade of "C" or better
Advisory: BUSTEC 100.1
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
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, Peachtree, or other contemporary software accounting systems.

ACCT 343 Computer Spreadsheet Applications for Accounting 2 Units

Prerequisite: ACCT 101 or ACCT 301 with grades of "C" or better, AND CISA 310 with a grade of "C" or better.
Advisory: ACCT 311; with a grade of 'C' or better
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
This course combines the study of accounting and computer spreadsheets. Projects include business transactions, accounts receivable, inventory, payroll, financial statements, financial analysis, and other accounting topics. The course focuses on accuracy, clarity, creativity, adaptability, and presentation skills.

ACCT 361 Ethics, Fraud, and Legal Issues for Accountants 3 Units

Prerequisite: None.
Advisory: ACCT 107, ACCT 301, ENGRD 110, and ENGWR 101; with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course explores ethics, fraud, and legal issues that must be addressed by accountants, including exploration through case studies. Topics in ethics 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 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental Offering. 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.

Administration of Justice ADMJ

Degrees:
A.S. – Administration of Justice
AS-T – Administration of Justice for Transfer

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Administration of Justice

Associate in Science Degree

Program Information
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.

Career Opportunities
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 level.

Recommended High School Preparation
General college preparatory courses

Upon completion of this program, the student will be able to:
- effectively communicate in both oral and written formats.
- demonstrate a knowledge of the interactions and relationships of law enforcement, courts, and corrections on the local, state, and federal levels.
- identify 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.
- identify and explain the purpose and authority of the local, state, and federal courts systems.
- identify and explain the purpose and authority of law enforcement agencies at the local, state, and federal levels.
- recognize, understand, and acquire a sensitivity to the diverse cultures in our society and how this diversity impacts the criminal justice system.

Required Program	**Units**
ADMJ 300 Introduction to Administration of Justice	3
ADMJ 301 Investigative Report Writing	3
ADMJ 302 Community Relations: Multicultural Issues	3
ADMJ 304 Juvenile Delinquency	3
ADMJ 320 Concepts of Criminal Law	3
ADMJ 322 Criminal Procedures	3
ADMJ 323 Legal Aspects of Evidence	3
ADMJ 330 Criminal Investigation	3
Total Units Required	**24**

Associate in Science (A.S.) Degree
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

Administration of Justice

Associate in Science for Transfer Degree

Program Information
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 as federal and state parole officers, probation officers, and correctional administrators.

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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Career Opportunities
A great variety of career opportunities is open to students who successfully complete specific portions of this program of study. There is an urgent demand for trained personnel in such areas as uniformed police patrol, investigation, criminal identification, criminalistics, and corrections. Professionally rewarding employment in these areas may be found on the local, state, federal, and private levels.

Recommended High School Preparation
General college preparatory courses are recommended as High School Preparation.

Upon completion of this program, the student will be able to:

- effectively communicate in both oral and written formats.
- demonstrate a knowledge of the interactions and relationships of law enforcement, courts, and corrections on the local, state, and federal levels.
- identify career opportunities in the criminal justice system at the local, state, special districts, and federal level.
- 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 use of all forms of evidence for the purpose of criminal prosecutions.
- identify and explain the purpose and authority of the local, state, and federal courts systems.
- differentiate the purpose and authority of all law enforcement agencies at the local, state, special district, and federal level.
- recognize, understand, and acquire a sensitivity to the diverse cultures in our society and how this diversity impacts the criminal justice system.

Required Program	**Units**
ADMJ 300 Introduction to Administration of Justice	3
ADMJ 320 Concepts of Criminal Law	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
PSYC 300 General Principles (3)	
or PSYC 480 Honors General Principles (3)	
SOC 300 Introductory Sociology (3)	
or SOC 480 Introductory Sociology – Honors (3)	
STAT 300 Introduction to Probability and Statistics (4)	
or STAT 480 Introduction to Probability and Statistics Honors (4)	
Total Units Required	**18**

Associate in Science for Transfer Degree

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.

Administration of Justice (ADMJ)

ADMJ 300 Introduction to Administration of Justice — 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades "C" or better
Course Transferable to UC/CSU
Hours: 54 hours LEC

This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, response to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces that have shaped those principles and approaches. Emphasis is placed on the structure and function of the police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, sentencing, and incarceration policies. Roles and expectations of criminal justice agents will be identified and studied. (C-ID AJ 110)

ADMJ 301 Investigative Report Writing — 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC

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 criminal justice system reports. Emphasis is placed on criminal justice terminology, organization of information, investigative note-taking and report writing, and presentation of testimony in court.

ADMJ 302 Community Relations: Multicultural Issues — 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better
General Education: AA/AS Area VI
Course Transferable to UC/CSU
Hours: 54 hours LEC

This course examines the complex, dynamic relationship between communities and the institutions of the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse, multicultural population. The course addresses the role and interplay of race, ethnicity, gender, sexual orientation, social class, culture, and law enforcement. The course examines new strategies, skills, tools, and cultural knowledge necessary for personnel engaged in all aspects of the criminal justice system. Special topics include the impact that terrorism and the need for homeland security have had on the dynamics of police community relations. (C-ID AJ 160)

ADMJ 303 Substance Abuse: Effects on Body and Behavior 3 Units

Same As: PSYC 405
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better
General Education: AA/AS Area III(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is designed for anyone who is interested in the effect illegal drugs, prescription drugs, over the counter drugs, vitamins, health foods, and coffee and nicotine have on people, physically, emotionally, mentally, and financially. 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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
This course is designed to examine juvenile delinquency from a variety of perspectives, including the concept of delinquency, theories of delinquency, social, community, and environmental influences on delinquency, and the juvenile justice system (past and present). An overview of adolescent problems and current approaches being utilized to confront these problems will also be discussed. The course is designed to examine a variety of the causes of juvenile delinquency, as well as suggestions for the treatment of delinquency at both the state and local levels. This course examines 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. (C-ID AJ 220)

ADMJ 320 Concepts of Criminal Law 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. The course will also include some discussion of prosecution and defense decision making, criminal culpability, and defenses of crimes. (C-ID AJ 120)

ADMJ 321 Substantive Criminal Law 3 Units

Prerequisite: ADMJ 320 with a grade of "C" or better.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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. (C-ID AJ 122)

ADMJ 323 Legal Aspects of Evidence 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Same As: ANTH 303
Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better
Advisory: ANTH 300; with a grade of "C" or better
General Education: AA/AS Area V(b); AA/AS Area IV
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course provides an overview of forensic anthropology, which is an applied field of physical anthropology. Forensic anthropologists answer questions of medicolegal significance by applying techniques designed for the analysis of human skeletal remains. This course will focus on the introductory techniques used for human skeletal identification and trauma analysis. This identification will provide understanding of the broader aspects of applied anthropology and its role in working with law enforcement agencies and human rights issues, as well as ethical considerations. Students will develop an understanding of skeletons not as assemblages of bones, but as individuals possessing of names and identities, still connected to the social world in which they lived and died.

ADMJ 340 Introduction to Correctional Services 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course provides an overview of both the adult and juvenile corrections systems in the United States. The topics in this course include 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 342 Gangs and Corrections 3 Units

Prerequisite: None.
Advisory: ADMJ 340 with a grade of "C" or better
General Education: AA/AS Area V(b); CSU Area D0
Course Transferable to CSU
Hours: 54 hours LEC
This course is designed to provide the student with a specialized field of knowledge as it relates to the correctional impact of gangs. Following a development of the history of gangs, and the issues associated with the development of gangs, the course will focus on the emergence of prison gangs following a series of changes within the correctional system. Psychological and sociological dynamics of gangs are explored. Institutional management of gangs as well as future trends will be explored.

ADMJ 346 Probation and Parole 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Same As: SOC 318
Prerequisite: None.
Advisory: Completion of 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
General Education: AA/AS Area V(b)
Course Transferable to CSU
Hours: 54 hours LEC
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 494 Topics in Administration of Justice .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 72 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-4 Units

Prerequisite: None.
Enrollment Limitation: According to Title V regulations, a student cannot earn academic credits in a Work Experience class unless s/he has either a job or an internship that relates specifically to the field of Administration of Justice.
Course Transferable to CSU
Hours: 300 hours LAB
This course is designed to provide students with effective job development skills that will assist them in obtaining and keeping an internship or a job in the student's major area. Course content will include understanding the application of education to the workforce; the responsibilities of an internship (where applicable) or a job; completion of Title V Education Code papers (the student's Application, Learning Objectives, Time sheet, and Evaluations), which document the student's progress and hours spent at the workplace or internship site; and developing workplace (soft) skills relevant to the 21st century workplace. 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. In addition, the student and the Work Experience instructor may tailor the course to meet the student's specific professional needs by identifying 1-4 workshops, trainings, or conferences that the student may attend as part of the curriculum of the ADMJ 498 class. Only one Work Experience course may be taken per semester.

ADMJ 499 Experimental Offering in Administration of Justice .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 72 hours LEC
See Experimental Offering

Aeronautics AERO, FLTEC, ATCAD

Degrees:
- **A.S. – Air Traffic Control**
- **A.S. – Aircraft Dispatcher**
- **A.S. – Airframe**
- **A.S. – Combined Airframe and Powerplant**
- **A.S. – Flight Technology**
- **A.S. – Powerplant**

Certificates of Achievement:
- **Airframe**
- **Air Traffic Control**
- **Aircraft Dispatcher**
- **Combined Airframe and Powerplant**
- **Flight Technology**
- **Powerplant**

Division of Advanced Technology
Donnetta Webb
Technology 106
916-558-2491

Air Traffic Control

Associate in Science Degree

Program Information
Sacramento City College maintains a Federal Aviation Administration (FAA) Air Traffic Control (ATC) Program. Our two-year degree program is designed to meet the needs of students who want to gain employment with one of the FAA's ATC facilities, work in a contract ATC facility, or work in an ATC facility for the military.

Career Opportunities
Employment opportunities exist within the Federal Aviation Administration's National Air Traffic Control system, as well as with numerous contract facilities throughout the country and with the military worldwide.

Enrollment Limitations
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.

Upon completion of this program, the student will be able to:
- perform the duties of an air traffic control (ATC) intern at a local ATC facility.
- interpret Federal Aviation Regulations that pertain to Air Traffic Control procedures.
- utilize correct air/ground communication terminology and phraseology.
- interpret terminal and en-route weather reports.

Required Program	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 100 Introduction to Aviation Careers	1
FLTEC 302 Aviation Weather	3
FLTEC 304 Safety and Human Factors in Aviation	3
FLTEC 306 Federal Aviation Regulations	3
FLTEC 310 Instrument Pilot/Instructor Ground School	3
FLTEC 312 Air Navigation, Airspace, and Communication	3
FLTEC 314 Large Aircraft Systems	5
FLTEC 320 Private Pilot Ground School	3
FLTEC 321 Commercial Pilot Ground School	3
FLTEC 330 Airplane Aerodynamics	3
Total Units Required	**44**

Associate in Science (A.S.) Degree
The 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.

Aircraft Dispatcher

Associate in Science Degree
Certificate of Achievement

Program Information
Sacramento City College maintains a Federal Aviation Administration (FAA) approved 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.

All required courses must be passed with a grade of "C" or better. Upon passing the appropriate FAA AD examinations, the graduate is certificated to perform the duties of an aircraft dispatcher.

Career Opportunities
Aircraft Dispatchers are employed by all major and regional airlines worldwide. Many jet charter and helicopter air ambulance operators, as well as government agencies and the military, utilize their services.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051658C01

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.
- qualify to take the written, oral, and practical examinations for the Federal Aviation Administration's aircraft dispatcher certificate.

Required Program	Units
FLTEC 100 Introduction to Aviation Careers	1
FLTEC 302 Aviation Weather	3
FLTEC 304 Safety and Human Factors in Aviation	3
FLTEC 306 Federal Aviation Regulations	3
FLTEC 310 Instrument Pilot/Instructor Ground School	3
FLTEC 312 Air Navigation, Airspace, and Communication	3
FLTEC 314 Large Aircraft Systems	5
FLTEC 320 Private Pilot Ground School	3
FLTEC 321 Commercial Pilot Ground School	3
FLTEC 330 Airplane Aerodynamics	3
ATCAD 310 Aircraft Dispatcher Operations	3.5
Total Units Required	**33.5**

Associate in Science (A.S.) Degree
The 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Airframe

Associate in Science Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
The Department of Advanced Transportation Technology currently offers courses and/or certificate programs in Aeronautics, Flight Technology, and Nondestructive 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, helicopter operations as well as government agencies and the military. Many experienced technicians opt to operate their own aviation businesses.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051041C01

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.

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.

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.

Required Program	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 309 Introduction to Aircraft Mechanics	2
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
Total Units Required	**50**

Suggested Electives
AERO 340, 341, 350, 351, 360, 361, 362, 363, 364, 365

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completion of the required program plus general education requirements. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better.

Combined Airframe and Powerplant

Associate in Science Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051040C01

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.

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

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.

Required Program	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 309 Introduction to Aircraft Mechanics	2
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
Total Units Required	**66**

Suggested Electives
AERO 200, 360, 361, 362, 363, 364, 365

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completion of the required program plus general education requirements. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better.

Flight Technology

Associate in Science Degree
Certificate of Achievement

Program Information
Sacramento City College maintains an authorized one-year certificate and two-year degree program organized to offer pilot academic ground instruction. The Flight Technology Program is a 30 unit, 10-course program. All required courses must be passed with a grade of "C" or better.

Career Opportunities
Professional Pilots are employed as Charter Pilots, Flight Instructors, Ground Instructors, Agricultural Pilots, Helicopter Pilots, Flight Engineers, Regional Airline/Major Airline Pilots, as well as working for Government Agencies or the Military.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051350C01

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.

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.
- review weather terminal and en-route data.
- calculate departure, en-route, and arrival performance data.

Required Program	Units
FLTEC 100 Introduction to Aviation Careers	1
FLTEC 302 Aviation Weather	3
FLTEC 304 Safety and Human Factors in Aviation	3
FLTEC 306 Federal Aviation Regulations	3
FLTEC 310 Instrument Pilot/Instructor Ground School	3
FLTEC 312 Air Navigation, Airspace, and Communication	3
FLTEC 314 Large Aircraft Systems	5
FLTEC 320 Private Pilot Ground School	3
FLTEC 321 Commercial Pilot Ground School	3
FLTEC 330 Airplane Aerodynamics	3
Total Units Required	**30**

Suggested Elective
FLTEC 319

Associate in Science (A.S.) Degree
The 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better.

Powerplant

Associate in Science Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
The department of Advanced Transportation Technology currently offers courses and/or certificate programs in Aeronautics, Flight Technology, and Nondestructive 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, helicopter operations as well as government agencies and the military. Many experienced technicians opt to operate their own aviation businesses.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=050827C01

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.

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

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.

Required Program	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 309 Introduction to Aircraft Mechanics	2
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
Total Units Required	**42**

Suggested Electives
AERO 340, 341, 350, 351, 360, 361, 362, 363, 364, 365

Associate in Science (A.S.) Degree
The Associate in Science Degree may be obtained by completion of the required program plus general education requirements. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better.

Aeronautics (AERO)

NOTE: The Federal Aviation Administration requires that a grade of "C" or better must be earned in ALL required Aeronautics courses to qualify for certification testing.

AERO 200 Certificated Aircraft Mechanic Preparation 1-4 Units
Prerequisite: None.
Corequisite: AERO 300
Hours: 72 hours LEC
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. This course may be taken four times for credit. 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 299 Experimental Offering in Aeronautics .5-4 Units
Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

AERO 300 General Airframe and Powerplant 5 Units
Prerequisite: AERO 309 with a grade of "C" or better
Advisory: Concurrent enrollment in AERO 301
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 90 hours LEC
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 3 Units
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.
Corequisite: AERO 300
Course Transferable to CSU
Hours: 180 hours LAB
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 5 Units

Prerequisite: AERO 309 with a grade of "C" or better
Advisory: Concurrent enrollment in AERO 303
Course Transferable to CSU
Hours: 90 hours LEC
This course provides electrical theory for airframe and powerplant electrical systems (circuits and schematics, ignition and electrical generating systems, instruments, batteries, 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 3 Units

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.
Course Transferable to CSU
Hours: 180 hours LAB
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 2 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
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 5 Units

Prerequisite: AERO 309 with a grade of "C" or better
Advisory: Concurrent enrollment in AERO 311
Course Transferable to CSU
Hours: 90 hours LEC
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 3 Units

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.
Course Transferable to CSU
Hours: 180 hours LAB
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 5 Units

Prerequisite: AERO 309 with a grade of "C" or better
Advisory: Concurrent enrollment in AERO 313
Course Transferable to CSU
Hours: 90 hours LEC
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 3 Units

Prerequisite: AERO 309 with a grade of "C" or better; Concurrent enrollment in AERO 312 or completion with a grade of "C" or better.
Course Transferable to CSU
Hours: 180 hours LAB
This course provides skills development projects related to AERO 312 as required by the Federal Aviation Administration. Units of instruction include familiarization 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 5 Units

Prerequisite: AERO 309 with a grade of "C" or better
Corequisite: Concurrent enrollment in AERO 322
Course Transferable to CSU
Hours: 90 hours LEC
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 5 Units

Prerequisite: AERO 309 with a grade of "C" or better
Corequisite: Concurrent enrollment in AERO 323
Course Transferable to CSU
Hours: 90 hours LEC
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 3 Units

Prerequisite: AERO 309 with a grade of "C" or better
Corequisite: Concurrent enrollment in AERO 320
Course Transferable to CSU
Hours: 180 hours LAB
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 3 Units

Prerequisite: AERO 309 with a grade of "C" or better
Corequisite: Concurrent enrollment in AERO 321
Course Transferable to CSU
Hours: 180 hours LAB
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 5 Units

Prerequisite: AERO 300, 301, 302, 303, 320, 321, 322, and 323 with grades of "C" or better.
Corequisite: Concurrent enrollment in AERO 332
Course Transferable to CSU
Hours: 90 hours LEC
This course provides the theory of the following: Advanced Airframe and Powerplant diagnosis, inspection, mechanic privileges and limitations, maintenance forms and records, and 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 5 Units

Prerequisite: AERO 300, 301, 302, 303, 310, 311, 312, and 313 with grades of "C" or better.
Corequisite: Concurrent enrollment in AERO 333
Course Transferable to CSU
Hours: 90 hours LEC
This course provides the theory of the following: advanced communication; navigation and autopilot systems, landing gear systems; wheel, tire, and brake assembly systems, assembly and rigging processes, dope and fabric applications; painting and protective coating applications, sheet metal repair applications; and honeycomb, plastic, wood, fiberglass, composites, and laminate structure repair. Minimum attendance is mandated by the Federal Aviation Administration.

AERO 332 Advanced Airframe and Powerplant Inspection Applications 3 Units

Prerequisite: AERO 300, 301, 302, 303, 320, 321, 322, and 323 with grades of "C" or better.
Corequisite: Concurrent enrollment in AERO 330
Course Transferable to CSU
Hours: 180 hours LAB
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 3 Units

Prerequisite: AERO 300, 301, 302, 303, 310, 311, 312, and 313 with grades of "C" or better.
Corequisite: Concurrent enrollment in AERO 331
Course Transferable to CSU
Hours: 180 hours LAB
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 340 Gas Turbine Engine Development I 2 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
This course provides instruction in the development of gas turbine powerplants to include theory of operation, application, overhaul techniques, and noise reduction through laboratory projects involving engine system tear-down and test cell operation for turbo-prop and helicopter turbo-shaft engines.

AERO 341 Gas Turbine Engine Development II 2 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
This course provides continued instruction in the development of gas turbine powerplants to include theory of operation, application, overhaul techniques, and noise reduction through laboratory projects involving engine system tear-down and test cell operation for turbo prop and helicopter turbo shaft engines.

AERO 350 Helicopter Rotor and Drive Systems I 2 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
This course provides introductory level instruction in the theory of helicopter flight, rotor systems, and flight controls. Laboratory projects involve disassembly, inspection, reassembly, and adjustment of helicopter components.

AERO 351 Helicopter Rotor and Drive Systems II 2 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
This course provides in-depth instruction in the theory of helicopter flight, flight controls, and drive systems. Laboratory projects involve disassembly, inspection, reassembly, and adjustment of rotor control and power-train components. Tracking and balance adjustments will be accomplished on a running helicopter.

AERO 357 Bell 47 Series Helicopter Field Maintenance 4 Units

Prerequisite: None.
Enrollment Limitation: The student must possess a current Federal Aviation Administration Airframe and Powerplant Mechanic Certificate.
Course Transferable to CSU
Hours: 49 hours LEC; 71 hours LAB
This course will cover the required material that will enable a certificated Airframe and Powerplant Mechanic to troubleshoot, inspect, perform, or supervise the maintenance and/or alteration of the Bell 47 series helicopter, in accordance with the Federal Aviation Administration (FAA) methods.

AERO 358 Bell 47 Series Helicopter Component Overhaul 4 Units

Prerequisite: None.
Enrollment Limitation: The student must possess a current Federal Aviation Administration Airframe and Powerplant Mechanic Certificate.
Course Transferable to CSU
Hours: 49 hours LEC; 71 hours LAB
The course will cover the required material that will enable a certificated Airframe and Powerplant Mechanic to perform component overhaul operations on the Bell 47 series helicopter components: main rotor, main rotor controls, mast assembly, main drive-shaft, anti-torque system components, and transmission, in accordance with approved Federal Aviation Administration (FAA) methods.

AERO 494 Topics in Aeronautics, Aviation Maintenance .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 72 hours LEC
This is a specialized course developed in conjunction with industry partners to address emerging industry training needs.

AERO 495 Independent Studies in Aeronautics 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC; 162 hours LAB
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. This course may be taken up to four times for credit for a maximum of 12 units.

AERO 498 Work Experience in Aeronautics 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 72 hours LEC; 216 hours LAB
This course is designed to provide students with effective job development skills that will assist them in obtaining and keeping an internship or a job in the field of aviation. Course content will include an understanding the application of the student's education as it relates to the workforce. The student will work as an aircraft mechanic helper for one of the Aeronautics department's industry partners. The work could include, but is not limited to, line maintenance, component overhaul, aircraft maintenance, and rebuilding. This course may be taken up to four times for credit for a maximum of 16 units.

AERO 499 Experimental Offering in Aeronautics .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering

Air Traffic Control/ Aircraft Dispatcher (ATCAD)

ATCAD 300 Basic Terminal Procedures 3.5 Units

Prerequisite: FLTEC 302, 304, 306, 310, 312, 314, 320, 321, and 330 with grades of "C" or better
Course Transferable to CSU
Hours: 48 hours LEC; 48 hours LAB
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. One field trip to an operating TRACON facility will be mandatory.

ATCAD 301 Advanced Terminal Procedures 3.5 Units

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
Course Transferable to CSU
Hours: 48 hours LEC; 48 hours LAB
This course provides lecture and simulator lab experience in the advanced 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, 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 will be mandatory.

ATCAD 302 Basic En Route Procedures 3.5 Units

Prerequisite: FLTEC 302, 304, 306, 310, 312, 314, 320, 321, and 330 with grades of "C" or better
Course Transferable to CSU
Hours: 48 hours LEC; 48 hours LAB
This course provides lecture and simulator lab experience in the fundamental rules and procedures required in the en route environment. Areas such as air/ground 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 3.5 Units

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
Course Transferable to CSU
Hours: 48 hours LEC; 48 hours LAB
This course provides lecture and simulator lab experience in advanced rules and procedures required in the en route environment. Areas such as air/ground 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 will be taught and practiced.

ATCAD 310 Aircraft Dispatcher Operations 3.5 Units

Prerequisite: FLTEC 302, 304, 306, 310, 312, 314, 320, 321, and 330 with grades of "C" or better
Course Transferable to CSU
Hours: 45 hours LEC; 54 hours LAB
This course will allow the student to practice actual 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.

Flight Technology (FLTEC)

FLTEC 100 Introduction to Aviation Careers 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
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 .5-4 Units

Prerequisite: None.
Hours: 72 hours LEC
This is a specialized course developed in conjunction with industry partners to address emerging training needs.

FLTEC 300 Introduction to Aviation 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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. An on-site visit to a local airport is recommended for completion of this course.

FLTEC 302 Aviation Weather 3 Units

Prerequisite: FLTEC 100 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 304 Safety and Human Factors in Aviation 3 Units

Prerequisite: FLTEC 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
This course provides an overview of human factors that relate to aviation safety and crew resource management, as well as analyzing all of the factors contributing to aircraft accidents.

FLTEC 306 Federal Aviation Regulations 3 Units

Prerequisite: FLTEC 330 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
This course is an in-depth study of the Code of Federal Regulations 14, Parts 1, 43, 61, 65, 71, 73, 91, 121, and 135 of the Federal Aviation Regulation (FAR) Orders, Letters of Agreement, Standard Operating Procedures, Aeronautical Information Manual (AIM), and the National Transportation Safety Board (NTSB) 830 for reporting aircraft accidents.

FLTEC 310 Instrument Pilot/Instructor Ground School 3 Units

Prerequisite: FLTEC 320 with a grade of "C" or better, or hold FAA Private Pilot Certificate, or successfully completed FAA Private Pilot Knowledge exam.
Course Transferable to CSU
Hours: 54 hours LEC
This course is an introduction to the basic 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 School Instructor, and/or Instrument Flight Instructor written exam eligibility.

FLTEC 312 Air Navigation, Airspace, and Communication 3 Units

Prerequisite: FLTEC 330 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
This course is designed to teach the aeronautics student the basics of navigation, airspace, and communication under Visual Flight Rules (VFR). The fundamentals of pilotage, dead reckoning, and radio navigation will be applied to flight planning. Requirements for airspace and air traffic controller communication will be covered.

FLTEC 314 Large Aircraft Systems 5 Units

Prerequisite: FLTEC 310 and 320 with grades of "C" or better
Course Transferable to CSU
Hours: 90 hours LEC
This Boeing 737 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/rain removal, 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 3 Units

Prerequisite: None.
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.
Course Transferable to CSU
Hours: 54 hours LEC
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 and 65 of the Federal Aviation Regulations. Students will be required to develop detailed written syllabi and deliver an oral presentation that meets FAA standards of instruction.

FLTEC 320 Private Pilot Ground School 3 Units

Prerequisite: FLTEC 330 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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. It 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 3 Units

Prerequisite: FLTEC 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: FLTEC 100 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: FLTEC 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 347 Bell 47 Series Initial Pilot Transition 1 Unit

Prerequisite: None.
Enrollment Limitation: The student must possess a current Federal Aviation Administration (FAA) Private or Commercial Helicopter Pilot Certificate, a current FAA 1st, 2nd, or 3rd class medical certificate, and a minimum of 100 hours of helicopter flight time.
Course Transferable to CSU
Hours: 16 hours LEC; 6 hours LAB
This course will enable the certificated helicopter pilot to accomplish initial transition to the Bell 47 model series helicopter flown with comprehensive knowledge of the aircraft, systems, and components, along with a thorough understanding of the operational characteristics and flight limitations.

FLTEC 350 Private Pilot-Helicopter Flight Techniques 3 Units

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.
Course Transferable to CSU
Hours: 162 hours LAB
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 3 Units

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.

Course Transferable to CSU

Hours: 162 hours LAB

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 1 Unit

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.

Course Transferable to CSU

Hours: 54 hours LAB

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 3 Units

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.

Course Transferable to CSU

Hours: 162 hours LAB

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 3 Units

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-Airplane certificate. Student must have accrued required flight experience.

Course Transferable to CSU

Hours: 162 hours LAB

The course will provide the flight training and experience required to 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 1 Unit

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-Airplane certificate. Student must have accrued required flight experience.

Course Transferable to CSU

Hours: 54 hours LAB

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.

Allied Health AH

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
(916) 558-2271

Allied Health (AH)

AH 100 Professional Ethics of Health Team Members 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
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 102 Health Education of Patients and Family 1 Unit

Prerequisite: None.
Advisory: LIBR 307
Hours: 18 hours LEC
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 104 Aging and its Implications for Health Care .5 Unit

Prerequisite: None.
Enrollment Limitation: Dental Hygiene and Dental Assisting students working towards degree completion have priority registration for this course.
Hours: 9 hours LEC
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 106 Communication for Allied Health Careers 2 Units

Prerequisite: None.
Hours: 36 hours LEC
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 Allied Health 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
This course provides an introduction to the health care field. Topics include various types of health care delivery systems and allied health careers, history of health care, law and ethics pertaining to health care, personal qualities of health care workers, confidentiality and reportable incidents. 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 hospital may be required.

AH 110 Medical Language for Health-Care Providers 3 Units

Prerequisite: None.
Hours: 54 hours LEC
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.

AH 112 Strategies for Student Success in Health Occupations 3 Units

Prerequisite: None.
Advisory: ENGRD 110, ENGWR 101, ESL 114, ESLR 320, and ESLW 320; with grades of "C" or better
Hours: 54 hours LEC
This course introduces the student to career opportunities in health care. The course provides realistic and useful strategies to enhance student success in reaching career goals associated with health occupations. Students will gain the knowledge and skills to determine a career path based on an in-depth assessment of their own interests, values, and abilities along with a realistic understanding of specific health occupations. Off campus field trips and job shadowing may be required.

AH 126 Sensation and Daily Life: Strategies for Success 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(b)
Hours: 18 hours LEC
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 .5 Unit

Prerequisite: None.
Corequisite: Concurrent enrollment in an allied health, dental assisting or hygiene, nursing, occupational therapy assistant, or physical therapist assistant course.
Hours: 27 hours LAB
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 1-3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

AH 301 Health Care in a Multicultural Society 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better.
General Education: AA/AS Area III(b); AA/AS Area VI
Course Transferable to CSU
Hours: 54 hours LEC
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 312 Medical Terminology In Spanish 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
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 .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 72 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offering

Anthropology ANTH

Degree:
A.A. – Anthropology
AA-T – Anthropology for Transfer

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Anthropology

Associate in Arts Degree

Program Information
Anthropology majors are encouraged to participate in community activities, archaeological internships, Sacramento Zoo activities, and to attend relevant guest lectures.

Career Opportunities
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.

Recommended High School Preparation
Preparatory courses including history, English, mathematics, and foreign languages

Upon completion of this program, the student will be able to:
- demonstrate understanding of the processes of science, the scientific method, and the relationship between scientific research and established knowledge.
- clearly express self when writing or speaking about anthropology demonstrating knowledge of basic anthropological terminology and understanding major anthropological concepts.
- write essays explaining anthropological processes in clear and concise terms.
- demonstrate both content knowledge and test taking skills when completing essay, objective, and multiple choice exams.
- demonstrate content knowledge in the broad areas of anthropology, including evolution, culture, genetics, archaeology and human evolution.
- reach and express logical conclusions drawn on anthropological data.

Required Program **Units**

ANTH 300 Physical Anthropology (3) 3
or ANTH 480 Honors Physical Anthropology (3)
ANTH 301 Physical Anthropology Laboratory 1
ANTH 310 Cultural Anthropology (3) 3
or ANTH 481 Honors Cultural Anthropology (3)
ANTH 320 Introduction to Archaeology and World Prehistory 3
ANTH 331 The Anthropology of Religion (3) 3
or ANTH 332 Native Peoples of California (3)
or ANTH 334 Native Peoples of North America (3)
or ANTH 341 Introduction to Linguistics (3)

A minimum of 12 units from the following:..... 12
GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes (3)
GEOG 300 Physical Geography: Exploring Earth's Environmental Systems (3)
GEOG 390 Field Studies in Geography (1 – 4)
HIST 307 History of World Civilizations to 1500 (3)
HIST 308 History of World Civilizations, 1500 to Present (3)
HIST 320 History of the United States: African-American Emphasis (3)
HIST 321 History of the United States: African-American Emphasis (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)
SOCSC 320 Socio-Cultural, Economic and Political Experience of the African-American (3)
SOCSC 325 Asian Experience in America (3)
SOCSC 330 Mexican-Americans in the United States (3)
SOCSC 336 Native-American Culture and the Impact of Federal Policy (3)
SOCSC 352 Global Women's Issues (3)
SOC 321 Race, Ethnicity and Inequality in the United States (3)
SOC 345 Global Women's Issues (3)
GEOL 308 Introduction to Geology (3)
GEOG 320 World Regional Geography (3)
SOC 300 Introductory Sociology (3)
or SOC 480 Introductory Sociology – Honors (3)
SOC 310 Marriage and the Family (3)
or FCS 320 Marriage and the Family (3)
SOC 312 The Child, the Family and the Community (3)
or ECE 314 The Child, the Family and the Community (3)
SOC 335 Sociology of Aging (3)
or GERON 300 Sociology of Aging (3)
SOC 341 Sex and Gender in the U.S. (3)
or FCS 326 Sex and Gender in the U.S. (3)

Total Units Required **25**

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

Anthropology

Associate in Arts for Transfer Degree

Program Information
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, and 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, 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, 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.

This 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 four-year school 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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Note to Transfer Students:
The Associate Degree for Transfer program is designed for students who plan to transfer to a California State University (CSU). Other than the required core, the courses you choose to complete this degree will depend to some extent on the selected CSU for transfer. In addition, some CSU-GE Breadth or IGETC requirements can also be completed using courses required for this Associate Degree for Transfer major (known as "double-counting"). Meeting with a counselor to determine the most appropriate course choices will facilitate efficient completion of your transfer requirements. For students wishing to transfer to other universities (UC System, private, or out-of-state), the Associate Degree for Transfer may not provide adequate preparation for upper-division transfer admissions, because many universities require more lower division courses than those in this degree. Even the CSUs that accept this transfer degree may likely require more lower division courses to achieve the Bachelor degree. It is critical that you meet with a SCC counselor to select and plan the courses for the major, as programs vary widely in terms of the required preparation.

Career Opportunities
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.

Upon completion of this program, the student will be able to:
- demonstrate understanding of the processes of science, the scientific method, and the relationship between scientific research and established knowledge.
- speak clearly about anthropology demonstrating knowledge of basic anthropological terminology and concepts.
- write essays explaining anthropological processes in clear and concise terms.
- demonstrate both content knowledge and test taking skills when completing essay, objective, and multiple choice exams.
- demonstrate content knowledge in the broad areas of anthropology, including evolution, culture, genetics, archaeology, and human evolution.
- reach and express logical conclusions drawn on anthropological data.

Required Program	**Units**
ANTH 300 Physical Anthropology (3)	3
or ANTH 480 Honors Physical 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 Physical Anthropology Laboratory (1)	
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)	
A minimum of 3 units from the following:	3
ANTH 315 Cultures in Focus (3)	
GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes (3)	
GEOG 320 World Regional Geography (3)	
SOCSC 352 Global Women's Issues (3)	
or SOC 345 Global Women's Issues (3)	
Total Units Required	**18**

Associate in Arts for Transfer Degree
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.

Anthropology (ANTH)

ANTH 300 Physical Anthropology 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introduction to the science of physical 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 Physical Anthropology Laboratory 1 Unit

Prerequisite: ANTH 300 or 480 with a grade of "C" or better or concurrent enrollment in ANTH 300 or 480. ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LAB
This introductory laboratory course is designed to familiarize students with the methods and materials of physical 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 3 Units

Same As: ADMJ 332
Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better
Advisory: ANTH 300; with a grade of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area IV
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course provides an overview of forensic anthropology, which is an applied field of physical anthropology. Forensic anthropologists answer questions of medicolegal significance by applying techniques designed for the analysis of human skeletal remains. This course will focus on the introductory techniques used for human skeletal identification and trauma analysis. This identification will provide understanding of the broader aspects of applied anthropology and its role in working with law enforcement agencies and human rights issues, as well as ethical considerations. Students will develop an understanding of skeletons not as assemblages of bones, but as individuals possessing of names and identities, still connected to the social world in which they lived and died.

ANTH 310 Cultural Anthropology 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an 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 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. (C-ID ANTH 120)

ANTH 315 Cultures in Focus 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW340 with a grade of "C" or better
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 320 Introduction to Archaeology and World Prehistory 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area V(b); CSU Area D1; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introduction to the field of Archaeology and a survey of World Prehistory. Students will be introduced to the theories, concepts, and methods employed by archaeologists in the study of the human past. 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 from the Upper Paleolithic onward, using a range of case studies from around the world.

ANTH 322 Archeological Site Identification 1.5 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
Course Transferable to CSU
Hours: 27 hours LEC
This class provides classroom and field experience in all aspects of identifying prehistoric and historic sites: map reading, making sketch maps, artifact identification, historic and prehistoric background of Northern California, completing an official Site Survey Form acceptable to State Standards, and experience identifying sites in real field situations. Students receive partial preparation for entry level jobs with government agencies or archeological consulting firms. Two field trips are required.

ANTH 323 Introduction to Archaeology 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area V(b); CSU Area D1; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 331 The Anthropology of Religion 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area I; AA/AS Area VI; CSU Area D1; IGETC Area 3B; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This is a cross-cultural study of the forms and functions of religions, spiritual beliefs, and their associated rituals in various societies of Africa, Asia, aboriginal Australia, Oceania, South America, native North America, and elsewhere. The emphasis of the course is on understanding beliefs and rituals within their social contexts and on broad comparison to derive insight into the general functions of beliefs and rituals in human life. This course was formerly known as ANTH 330.

ANTH 332 Native Peoples of California 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course will involve the student in the exploration of the role of language in social interaction and world view, minority languages and dialects, bilingualism, literacy, and the social motivation of language change. 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 Physical Anthropology 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
Enrollment Limitation: Eligibility for admission to the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is a seminar-style Honors-level introduction to the science of physical 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. This honors section uses an intensive instructional methodology designed to challenge motivated students.

ANTH 481 Honors Cultural Anthropology 3 Units

Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A
Enrollment Limitation: Eligibility for admission to the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

ANTH 494 Topics in Anthropology 1-3 Units

Prerequisite: Determined by topic
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course provides an examination of specific topics from an anthropological perspective. The particular subject to be covered each semester will be determined by the anthropology faculty and depend on topical events. Students can earn from 1-3 units. Students should consult the schedule of classes for the specific topic. 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 495 Independent Studies in Anthropology 1-3 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LAB
See Independent Studies

ANTH 499 Experimental Offering in Anthropology .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental Offering. 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 ART

Degree:
A.A. – Art
AA-T – Studio Arts for Transfer

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

Art

Associate in Arts Degree

Program Information
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.

Career Opportunities
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 which are displayed in museums, galleries, and other exhibition spaces. Some artists will also work as graphic designers, illustrators, and in other commercial work.

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.

Required Program	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: Silkscreen (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 330 Survey of African-American Art (3)
- ARTH 332 Asian Art (3)
- ARTH 334 International Contemporary Art (3)
- ARTH 410 Early 20th Century Art (3)

Total Units Required **24**

Suggested Electives
ANTH 300, 310, 320; ART 443, COMM 316, 325; BUS 300, 498; CHEM 336, ENGLT 345, 400; ENGWR 300, HIST 300, 302, 310, 311; HUM 332, PHIL 352

Associate in Arts (A. A.) Degree
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

Studio Arts

Associate in Arts for Transfer

Program Information
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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

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.

Required Program	**Units**
ART 300 Drawing and Composition I	3
ART 320 Design: Fundamentals	3
ART 370 Three Dimensional Design	3
ARTH 304 Ancient Art (3) and ARTH 306 Medieval Art (3)] or ARTH 332 Asian Art (3)	3 – 6
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 332 Oil Painting (3) or ART 334 Acrylic Painting (3) or ART 336 Watercolor 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 391 Intermediate Ceramics (3) or ART 394 Wheel Thrown Ceramics, Beginning (3) or ART 400 Clay Sculpture (3)	
PHOTO 302 Beginning Digital Photography (3)	
Total Units Required	**27 – 30**

Associate in Arts for Transfer Degree
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.

Art (ART)

ART 300 Drawing and Composition I 3 Units

Course Family: Drawing Fundamentals
Prerequisite: None.
General Education: AA/AS Area I; CSU Area C1
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course includes problems in observation and the translation of this experience into graphic terms by exploration of the formal elements of art (line, shape, volume, space, texture, light, and shadow). Students will also be introduced to historical and contemporary drawing styles. This course is a basic requirement for all art students. A field trip is required. Students are required to purchase supplies needed for the course at a cost of between $50 – 65. (C-ID ARTS 110)

ART 301 Digital Drawing and Composition 3 Units

Course Family: Drawing Fundamentals
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course is designed to address the traditional qualities of creative drawing and the unique properties of drawings produced using computer 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 at a cost of less than $15.00.

ART 302 Drawing and Composition II 3 Units

Course Family: Drawing Fundamentals
Prerequisite: ART 300 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 $40-$65.

ART 304 Figure Drawing I 3 Units

Course Family: Figure Studies
Prerequisite: ART 300 with a grade of "C" or better or equivalent determined through portfolio review.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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/or 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. (C-ID ARTS 200)

ART 305 Figure Drawing II 3 Units

Course Family: Figure Studies
Prerequisite: ART 304 with a grade of "C" or better
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Course Family: Applied Drawing
Prerequisite: ART 300 with a grade of "C" or better, or equivalent.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 $50 and $65.

ART 310 Pen and Ink Drawing 3 Units

Course Family: Applied Drawing
Prerequisite: None.
Advisory: ART 300 with a grade of "C" or better or equivalent.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 $40.00 and 60.00.

ART 312 Portrait Drawing 3 Units

Course Family: Figure Studies
Prerequisite: ART 300 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Course Family: Figure Studies
Prerequisite: ART 300 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C1
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course is an introduction to the formal aspects of line, shape, tone and color and theories of their organization and composition in works of art. Historic and contemporary examples of design will also be studied within the constructs of students' projects. This course is a basic requirement for all art students. Students are required to purchase supplies needed for the course at a cost of between $75-100. A field trip to an art museum or gallery is required. (C-ID ARTS 100)

ART 322 Design: Image and Content 3 Units

Prerequisite: ART 300 and 320 with grades of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course involves the study of the formal elements of line, shape, tone and color and theories of their organization and composition. Emphasis is on the expressive aspect of subject and content and the influence of materials and techniques on form. Students are required to purchase supplies needed for the course at a cost of between $75-100. A field trip to a museum and/or gallery is required.

ART 323 Design: Color Theory 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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. (C-ID ARTS 270)

ART 324 Collage and Assemblage 3 Units

Prerequisite: None.
General Education: CSU Area C1
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 include 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 art galleries and/or museums is required. There may be an admission fee of approximately $10.00 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 $50 to $100. A list of supplies or materials will be discussed and provided during the first class meeting.

ART 330 Mural Painting 3 Units

Course Family: Painting
Prerequisite: ART 300 and 320 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 execute the work on location if applicable. The cost of materials for this course is approximately $120 per student.

ART 332 Oil Painting 3 Units

Course Family: Painting
Prerequisite: ART 300 with a grade of "C" or better; ART 300 with a grade of "C" or better, or equivalent.
Advisory: ART 320 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 $100-120.

ART 333 Intermediate Oil Painting 3 Units

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.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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. The cost of materials for this course is between $100 and $120.

ART 334 Acrylic Painting 3 Units

Course Family: Painting
Prerequisite: ART 300 with a grade of "C" or better
Advisory: ART 320 and 323 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Course Family: Painting
Prerequisite: None.
Advisory: ART 300, 320, and 323 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Course Family: Painting
Prerequisite: None.
Advisory: ART 300 and ART 320 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course is an introduction to the medium and materials used in watercolor painting. Included are a breakdown and analysis of composition with respect to color, pattern, light, and space and style and techniques with their application in both historical and contemporary works. 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 $80 – 100.

ART 337 Intermediate Watercolor Painting 3 Units

Course Family: Painting
Prerequisite: ART 336 with a grade of "C" or better
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This is an intermediate watercolor course. It includes an in-depth study of contemporary methods and concepts in transparent watercolor. Emphasis is given to different approaches to watercolor, as well as composition, technical problems and solutions, and individual style development. Each semester different artists are discussed to illustrate concepts and techniques. 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 $80 – 100.

ART 361 Printmaking: Survey 3 Units

Course Family: Printmaking
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This is a beginning printmaking course, which may include relief (woodcut and linoleum cut), intaglio (etching and drypoint), stencil (silkscreen), and monoprint processes. A field trip to a gallery or museum is required. Material may cost from $40-$60. (C-ID ARTS 220)

ART 362 Printmaking: Intaglio 3 Units

Course Family: Printmaking
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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: Silkscreen 3 Units

Course Family: Printmaking
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course is an introduction to the printmaking process of silkscreen. Students will explore stencil making techniques including paper stencils, block out, and, photo emulsion, both hand drawn imagery and photographs. Students will create single and multiple color images using water base inks. Instruction in darkroom procedures, ink mixing, registration, and printing methods will be covered. A field trip to a gallery or museum is required. Materials may cost from $40-$60.

ART 364 Printmaking: Relief 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course presents the techniques of wood and linoleum cutting. Both printing by hand and by press will be taught. Processes include black and white printing and color reduction. This course has an additional lab fee. A field trip to a gallery or museum is required. Materials may cost from $40.00-$65.00.

ART 366 Printmaking: Lithography 3 Units

Course Family: Printmaking
Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course covers the basic techniques of stone lithography, photo-lithographic plates and hand drawn aluminum plates. Students will print in both black and white and color. A field trip to a gallery or museum is required. This course has a materials fee of $60-75.

ART 367 Printmaking: Book Arts 3 Units

Course Family: Printmaking
Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is an introduction to the studio theory and practice of the books arts. Students will explore the book as a format for presenting unique ideas through physical structures. Students will learn the process of basic book construction, 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. Topics include paste papers and the use of image transfers, collage, prints, and mixed media. Also covered is the history of traditional and contemporary books and manuscripts. 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 $40-$70.

ART 370 Three Dimensional Design 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320; with a grade of "C" or better.
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This foundation course is an introduction to sculptural composition. Instruction will be provided in construction of line, plane, and volume 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. (C-ID ARTS 101)

ART 372 Sculpture 3 Units

Prerequisite: ART 370 with a grade of "C" or better; or portfolio review for skills in basic sculpture.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course is meant to follow ART 370, focusing on complex sculptural methods and ideas. Students will learn additional technical skills, including casting, additive, and reductive sculptural methods. Students will develop a visual and verbal vocabulary and problem solving skills to enable ideas and enhance projects. This course will focus heavily on historical and cultural issues relating to art and design, as well as 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. (C-ID ARTS 240)

ART 373 Intermediate Sculpture 3 Units

Course Family: Sculpture
Prerequisite: ART 370 and 372 with grades of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course is meant to follow ART 372, Sculpture, continuing the practice of more complex sculptural methods and ideas. This course will teach advanced practice in the expressive use of form and color in space. Students will use a variety of media including plaster, wood, metal, 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. 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 1-2 Units

Course Family: Sculpture
Prerequisite: ART 373 with a grade of "C" or better
Course Transferable to CSU
Hours: 108 hours LAB
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 3 Units

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.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Course Family: Small Metal Arts
Prerequisite: None.
General Education: CSU Area C1
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Course Family: Small Metal Arts
Prerequisite: ART 380 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Course Family: Small Metal Arts
Prerequisite: None.
Advisory: ART 380 or 381; with a grade of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 1-2 Units

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.
Course Transferable to CSU
Hours: 108 hours LAB
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 3 Units

Course Family: Ceramics-Hybrid
Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C1
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 potterâs 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. (C-ID ARTS 230)

ART 391 Intermediate Ceramics 3 Units

Course Family: Ceramics-Hybrid
Prerequisite: ART 390 with a grade of "C" or better
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 1-2 Units

Prerequisite: None.
Corequisite: ART 390 or ART 391 or ART 400
Course Transferable to CSU
Hours: 108 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320; with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: ART 394 with a grade of "C" or better
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: ART 394 or 395 with a grade of "C" or better
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320; and Art 300 with grades of "C" or better.
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: ART 400 with a grade of "C" or better
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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. 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 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
The relationship of children and art will be investigated, emphasizing the following aspects of art: seeing and analyzing visual relationships, developing techniques of producing works of art, and exploring historical and contemporary art objects. The framework for developing art curriculum that is age and grade level appropriate will be outlined. Suggested for recreational leadership, preschool or elementary teachers, and caregivers. Field trips may be scheduled that require an additional fee. Materials may cost from $25-$40.

ART 440 Artists' Materials and Techniques 3 Units

Prerequisite: None.
Advisory: ART 300, 320, and 323 with grades of "C" or better
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ARTH 300 with a grade of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: ART 443 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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, and framing art, as well as preparing artists' statements, resumes, brochures, and business cards. 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 .5-4 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 48 hours LEC; 72 hours LAB
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 1-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 48 hours LEC; 72 hours LAB
This course involves 12 hours lecture and 18 hours of art-related work experience for one unit; 12 hours of lecture and 18 hours of art-related work experience can be scheduled for each additional unit. The course may be repeated four times when there is new or expanded learning on the job.

ART 499 Experimental Offering in Art .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
This course will be an experimental offering on topics not yet covered by current Art courses or an offering that addresses topics as they arise, such as those which relate to a new media or technique. Courses will be structured around either a specific technique (such as "performance art" or "calligraphy for beginners") or a specific set of projects ("Calligraphic portfolio" or "Digital images for your portfolio"). 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 History ARTH

Degree:
A.A. – Art History
AA-T – Art History for Transfer

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

Associate in Arts Degree

Program Information
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.

Career Opportunities
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.

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.
- demonstrate an understanding of the history of cultures and civilizations and how art and architecture is a reflection of that history.

Required Program	**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)	
ARTH 320 Multicultural Art in America (3)	3
or ARTH 324 Art of the Americas (3)	
or ARTH 325 Native American Art History (3)	
or ARTH 328 Survey of African Art (3)	
or ARTH 332 Asian Art (3)	
or ARTH 360 Introduction to Museum Studies (3)	
ART 300 Drawing and Composition I	3
HIST 300 History of Western Civilization (3)	3
or HIST 302 History of Western Civilization (3)	
or HIST 307 History of World Civilizations to 1500 (3)	
or HIST 308 History of World Civilizations, 1500 to Present (3)	
or HIST 310 History of the United States (3)	
or HIST 311 History of the United States (3)	
or HIST 344 Survey of California History: A Multicultural Perspective (3)	
or HIST 380 History of the Middle East (3)	
A minimum of 6 units from the following:	6
ARTH 360 Introduction to Museum Studies (3)	
or ART 390 Ceramics (3)	
or ART 370 Three Dimensional Design (3)	
or ART 332 Oil Painting (3)	
or ART 320 Design: Fundamentals (3)	
Total Units Required	**27**

Suggested Electives
ANTH 320, 334; ARTH 312, CHEM 336, COMM 316, ENGLT 400, ENGWR 302, HIST 307, 308, 360; HUM 300, 310, 332, 352; PHIL 330, 352, 353; SOCSC 350

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

Art History

Associate in Arts for Transfer Degree

Program Information
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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Career Opportunities
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.

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.
- demonstrate an understanding of the history of cultures and civilizations and how art and architecture is a reflection of that history.

Required Program	**Units**
ARTH 304 Ancient Art	3
ARTH 306 Medieval Art	3
ARTH 308 Renaissance Tradition in Art	3
ARTH 310 Modern Art	3
ART 300 Drawing and Composition I	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 325 Native American Art History (3)	
ARTH 328 Survey of African Art (3)	
ARTH 330 Survey of African-American Art (3)	
ARTH 332 Asian Art (3)	
ARTH 334 International Contemporary Art (3)	
A minimum of 3 units from the following:	3
ART 301 Digital Drawing and Composition (3)	
ART 304 Figure Drawing I (3)	
ART 320 Design: Fundamentals (3)	
ART 370 Three Dimensional Design (3)	
ART 372 Sculpture (3)	
ART 390 Ceramics (3)	
A minimum of 3 units from the following:	3
Choose a minimum of three units from below that was not chosen above:	
ARTH 307 Italian Renaissance 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 330 Survey of African-American Art (3)	
ARTH 332 Asian Art (3)	
ARTH 334 International Contemporary Art (3)	
ARTH 360 Introduction to Museum Studies (3)	
ART 301 Digital Drawing and Composition (3)	
ART 304 Figure Drawing I (3)	
ART 320 Design: Fundamentals (3)	
ART 370 Three Dimensional Design (3)	
ART 372 Sculpture (3)	
ART 390 Ceramics (3)	
Total Units Required	**24**

Associate in Arts for Transfer Degree

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.

Art History (ARTH)

ARTH 300 Introduction to Art 3 Units

Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC

This course emphasizes the history, sources, techniques, and problems of art and architecture. Material presented includes illustrated lectures, readings, and discussions on 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. (C-ID ARTH 100)

ARTH 304 Ancient Art 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC

This course is an introduction to the development of Western art from the Prehistoric era through the late Roman period. Emphasis is on ancient Near Eastern, Egyptian, Greek, and Roman cultures. Comparisons are made with other cultures. (C-ID ARTH 110)

ARTH 306 Medieval Art 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC

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. (C-ID ARTH 110)

ARTH 307 Italian Renaissance Art 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC

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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introduction to art and architecture from c. 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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course covers 18th, 19th, and 20th 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 of the 20th century. Post-Modern art will also be discussed. A field trip to an art museum or art gallery is required.

ARTH 312 Women in Art 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a "C" or better.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introduction to the arts of black Africa in terms of its cultural and philosophical background; its materials and techniques; and its impact on 20th Century Western art. One field trip is required.

ARTH 330 Survey of African-American Art 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course emphasizes the art of African-Americans, including the African roots of such art, its background in colonial and 19th century America, the Harlem Renaissance in the 1920's, and art in the service of politics in contemporary African-American culture.

ARTH 332 Asian Art 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introductory survey of the arts of East and Southeast Asia, including India, China, Korea, and Japan. It features discussion of architecture, sculpture, painting, and other significant art forms from Neolithic to modern times. The contributions of East 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 3 Units

Prerequisite: ARTH 300 or 310 with a grade of "C" or better
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 360 Introduction to Museum Studies 3 Units

Prerequisite: ARTH 300 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides a broad introduction to the museum world. The course focuses on theoretical and practical aspects of museums; it examines the various types of museums including art museums and galleries, history, natural history, and science museums, as well as zoos. Students will be trained in the various jobs and responsibilities within museums and galleries as they work on exhibitions, education, research, collection management, and conservation. Two field trips to local museums are required.

ARTH 410 Early 20th Century Art 3 Units

Prerequisite: None.
Advisory: ARTH 310; ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 484 Ancient Art-Honors 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A; IGETC Area 3B
Enrollment Limitation: Eligibility for admission to the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. 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 art historical analyses and one research paper.

ARTH 486 Medieval Art-Honors 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Enrollment Limitation: Eligibility for the Honors Program
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. 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 art historical analyses and one research paper.

ARTH 487 Renaissance Art-Honors 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Enrollment Limitation: Eligibility for admission to the Honors Program
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. 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 art historical analyses and one research paper.

ARTH 488 Modern Art—Honors 3 Units

Prerequisite: None.
Advisory: ENGWR 301 or ENGWR 302 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Enrollment Limitation: Eligibility for admission to the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. 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. 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 art historical analyses and one research paper.

ARTH 494 Topics in Art History .5-4 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course will be an experimental offering on topics not yet covered by current Art History courses or an offering that addresses topics as they arise, such as those which relate to a current art exhibit. Courses will be structured around either a specific culture ("Navajo Textiles") or a specific time period ("Quattrocento Art in Europe"). Individual course descriptions will be included in the catalog. Students may repeat the course four times for credit as long as there is no repetition 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.

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Astronomy (ASTR)

ASTR 310 The Solar System 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This is a descriptive course treating the nature and evolution of the solar system. Topics will include the origins and characteristics of the planets, their satellites, planetary ring systems, asteroids, comets, meteorites, and the sun. Emphasis will be placed on how astronomers gain and refine their knowledge of the Universe and interpret the latest results of planetary exploration. Students enrolled in this course will have the opportunity to attend astronomy related off-campus activities, such as star parties.

ASTR 320 Stars, Galaxies, and Cosmology 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 interpret the latest results of space exploration. Students enrolled in this course will have the opportunity to attend astronomy related off-campus activities, such as star parties.

ASTR 330 Introduction to Astrobiology 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
Students in this course will investigate the scientific search for life beyond the Earth. Students will discover the origin and evolution of stars, planets, and life on Earth, also estimating the likelihood of life existing elsewhere in the universe. Students will also study past, present, and planned attempts to communicate with possible alien civilizations in our galaxy.

ASTR 400 Astronomy Laboratory 1 Unit

Prerequisite: None.
Corequisite: ASTR 310 or ASTR 320
Advisory: MATH 34 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LAB
This course covers astronomical observation with the eye, telescopes, astronomical quality digital cameras, and both computer-driven and hand-held 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 off-campus activities, such as dark sky star parties.

ASTR 435 Astronomy Frontiers 3 Units

Prerequisite: ASTR 310 or 320 with a grade of "C" or better
Advisory: MATH 34 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 exoplanets, the lives of stars including black holes, groupings of stars such as open clusters and co-moving groups, exotic matter, the nature of galaxies, cosmology and its connection to the String Model, dark energy, the search for extraterrestrial life, future threats such as meteoroid impacts, climate change, and futures less dark. Emphasis will be placed on how astronomers use science to understand the Universe and the provisional nature of science.

ASTR 494 Topics in Astronomy .5-4 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course is designed to enable both science and non-science students to learn about recent developments in astronomy. Selected topics would be those 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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 admissions.

ASTR 499 Experimental Offering in Astronomy .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental 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.

Biology BIOL
Field Ecology

Degree:
A.S. – Biology

Certificate of Achievement:
Field Ecology

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Biology

Associate in Science Degree

Program Information
The major is designed to meet some of the common lower-division requirements for a major in Biology.
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.

Career Opportunities
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.

Note: Students planning to transfer to four-year institutions are advised to meet with a counselor for general education requirements.

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.

Required Program **Units**

CHEM 400 General Chemistry (5) 5
or CHEM 305 Introduction to 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 440 General Microbiology (4)
BIOL 430 Anatomy and Physiology (5)
BIOL 431 Anatomy and Physiology (5)

A minimum of 8 units from the following: ..... 8[1]
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 320 Field Botany (3)
BIOL 330 Introduction to Entomology (3)
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 (3)
BIOL 364 Restoration Ecology (2)
BIOL 370 Marine Biology (4)
BIOL 390 Natural History Field Study (0.5 – 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)
BIOL 314 Dinosaurs and the Science of Life (3)
BIOL 315 Dinosaurs and the Science of Life Laboratory (1)
BIOL 326 Ethnobotany (3)
BIOL 327 Ethnobotany Laboratory (1)
BIOL 394 Natural History Field Study: Mojave Desert (2)

Total Units Required **23**

[1]NOTE: Any of these courses may be taken to meet additional units required for electives.

Associate in Science (A.S.) Degree
The Associate in Science 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.

Field Ecology

Certificate of Achievement

Program Information
The Field Ecology Certificate program provides the student with the training and education necessary to succeed in government agencies, private businesses, and non-profits that provide field ecology services. Students will have 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 chose only one of these pathways). Both pathways require the same core courses and only vary in their elective components. One pathway (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. The second pathway (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.

Career Opportunities
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 of job skills, this certificate will provide new training and education opportunities for returning and continuing students.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051401C01

Upon completion of this program, the student will be able to:
- demonstrate 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.
- understand the evolutionary process and 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, soil extraction tools for assessment of wetland hydric soils, etc.).
- analyze data collected during field experiments and investigations (e.g. fishery length and weight data collected from captured fish 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.

Required Program	**Units**
BIOL 305 Natural History	4
BIOL 320 Field Botany	3
BIOL 360 Environmental Regulations	3
BIOL 362 Field Methods in Ecology	3
Subtotal Units	**13**

Pathway 1

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 *(3)*
- BIOL 350 Environmental Biology *(3)*
- BIOL 352 Conservation Biology *(3)*
- BIOL 364 Restoration Ecology *(2)*
- BIOL 370 Marine Biology *(4)*
- BIOL 390 Natural History Field Study *(0.5 – 4)*
- BIOL 394 Natural History Field Study: Mojave Desert *(2)*
- BIOL 395 Natural History Field Study: Advanced Mojave Desert *(2)*
- BIOL 398 Natural History Field Study: Sierra Nevada Plants *(2)*
- BIOL 494 Topics in Biology *(0.5 – 4)*
- CHEM 320 Environmental Chemistry *(4)*
- GEOG 330 Introduction to Geographic Information Systems *(3)*
- GEOG 334 Introduction to GIS Software Applications (3)
- GEOL 345 Geology of California (3)

Pathway 1 Units: 10

Total Units Required **23**

Pathway 2 (For students pursuing only the Field Ecology Certificate)

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 (3)
- BIOL 350 Environmental Biology (3)
- BIOL 352 Conservation Biology (3)
- BIOL 364 Restoration Ecology (2)
- BIOL 370 Marine Biology (4)
- BIOL 390 Natural History Field Study (0.5 – 4)
- BIOL 394 Natural History Field Study: Mojave Desert (2)
- BIOL 395 Natural History Field Study: Advanced Mojave Desert (2)
- BIOL 398 Natural History Field Study: Sierra Nevada Plants (2)
- BIOL 494 Topics in Biology (0.5 – 4)
- CHEM 320 Environmental Chemistry (4)
- GEOG 330 Introduction to Geographic Information Systems (3)
- GEOG 334 Introduction to GIS Software Applications (3)
- GEOL 345 Geology of California (3)

Pathway 2 (For students pursuing only the Field Ecology Certificate) Units: 10

Total Units Required **23**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Biology (BIOL)

BIOL 100 Introduction to Concepts of Human Anatomy and Physiology 3 Units

Prerequisite: None.
Advisory: AH 110 (Medical Language for Health-Care Providers), ENGRD 110 (Efficient Reading) or ESLR 320 (Advanced-Low Reading), and ENGWR 51 (Developmental Writing) or ESLW 310 (Intermediate-High Writing), and BIOL 290 (Science Study Skills) with grades of "C" or better.
General Education: AA/AS Area IV
Hours: 54 hours LEC
This introductory lecture course provides an overview of the basic anatomy and physiology of all eleven body systems and is required for students entering the licensed vocational nursing and occupational therapy assistant programs. 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 .5 Units

Prerequisite: None.
Corequisite: Concurrent enrollment in a science course
Hours: 27 hours LAB
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. This course may be taken one time for credit and is graded Pass/No Pass.

BIOL 299 Experimental Offering in Biology .5-4 Units

Prerequisite: None
Hours: 72 hours LEC; 27 hours LAB
See Experimental Offerings

BIOL 305 Natural History 4 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101; with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. A laboratory illustrating the principles introduced is offered as an optional accompanying course.

BIOL 309 Contemporary Biology Laboratory 1 Unit

Prerequisite: None.
Corequisite: BIOL 308
General Education: CSU Area B3; IGETC Area 5B; IGETC Area 5C
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 314 Dinosaurs and the Science of Life 3 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
Course Transferable to CSU
Hours: 54 hours LEC
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. This course was formerly designated BIOL 464, and may not be taken by students who have completed BIOL 464.

BIOL 315 Dinosaurs and the Science of Life Laboratory 1 Unit

Prerequisite: None.
Corequisite: BIOL 314 or prior completion of BIOL 314 or BIOL 464 with a grade of "C" or better.
Advisory: ENGWR 101 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LAB
This course is an optional laboratory component to accompany BIOL 314 (formerly BIOL 464). 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 or BIOL 464. Formerly BIOL 465, this course may not be taken by students who have completed BIOL 465.

BIOL 320 Field Botany 3 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area IV
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: BIOL 320 with a grade of "C" or better
Advisory: ENGWR 101 with a grade of "C" or better
General Education: AA/AS Area IV
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 (College Writing) with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 3 hours LEC
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. Students may be awarded credit for BIOL 323 or BIOL 326, but not for both.

BIOL 327 Ethnobotany Laboratory 1 Unit

Prerequisite: None.
Corequisite: BIOL 326 or prior completion of BIOL 326 with a grade of "C" or better.
Advisory: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5C
Course Transferable to UC/CSU
Hours: 54 hours LAB
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. Students may be awarded credit for BIOL 323 or BIOL 327, but not for both.

BIOL 330 Introduction to Entomology 3 Units

Prerequisite: None.
General Education: AA/AS Area IV
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 on one field trip is required.

BIOL 332 Introduction to Ornithology 3 Units

Prerequisite: None.
General Education: AA/AS Area IV
Course Transferable to UC/CSU
Hours: 18 hours LEC; 108 hours LAB
This introductory course covers the biology and natural history of birds. Topics include the evolutionary origins of birds and flight, avian physiology and sensory systems, migration, social behavior, reproduction, and conservation. Laboratory work explores bird structure and function and teaches the taxonomic classification and identification of birds, particularly those found in California and the western United States. Field trips (which may include one or two overnight trips) are required; students study bird identification, behavior, and ecology. The cost per student to participate in the overnight trip(s) is approximately $20-$45. This course may be used as an elective in the Field Ecology Certificate Program.

BIOL 342 The New Plagues: New and Ancient Infectious Diseases Threatening World Health 3 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B2; CSU Area E1; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 350 Environmental Biology 3 Units

Prerequisite: None.
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area IV
Course Transferable to CSU
Hours: 54 hours LEC
This interdisciplinary course explores the natural and human factors causing the Earthâs 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 of plants, animals and human societies.

BIOL 352 Conservation Biology 3 Units

Prerequisite: None.
General Education: AA/AS Area IV
Course Transferable to CSU
Hours: 54 hours LEC
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. Field trips and/or a semester project may be required.

BIOL 360 Environmental Regulations 3 Units

Prerequisite: None.
Advisory: BIOL 305 and ENGWR 101 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course examines the environmental regulatory process in California. Federal and California environmental laws will be 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 3 Units

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: ENGWR 101 with a grade of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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) are to local and regional habitats and focus on seasonally relevant events and processes and appropriate methodologies to study these communities. Extensive field work is required; therefore, the student would need to be in appropriate physical condition to successfully navigate uneven ground and withstand adverse weather conditions.

BIOL 364 Restoration Ecology 2 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
Restoration ecology is the science of creation, management, and perpetuation of wildlife habitat. This course will examine this subject through lectures providing requisite knowledge of principles in ecology, natural selection, and biodiversity. These principles are applied to existing and on-going habitat restoration techniques in the Sacramento area combined with visits to some of these restored areas to observe firsthand the restoration methods, management, and success of the sites. Several field trips to local restoration sites occur during the course.

BIOL 370 Marine Biology 4 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 390 Natural History Field Study .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 24 hours LEC; 144 hours LAB
Ecology and natural history are covered in the field as well as birds, mammals, fish, insects, reptiles, and amphibians. Plants and geology will be studied and their interrelations investigated. The course will be offered in an appropriate area, and students will be responsible for providing their own lodging, meals, and necessary equipment (some courses provide lodging and food for an appropriate cost). Camp sites may be available. This course is ideal for future teachers, parents, resource management majors, and those interested in the biological sciences. Units are awarded based on both lecture and laboratory (one unit per 18 hours lecture or 54 hours laboratory or a combination of lecture and laboratory hours).

BIOL 394 Natural History Field Study: Mojave Desert 2 Units

Prerequisite: None.
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.
Enrollment Limitation: This course requires completion of a course application.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
This field course explores the plants, animals, and geological features of the Mojave Desert. Two to three lectures will 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 or three nights and four or five nights at the Desert Studies Center. Students will 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 usually exceed 100 degrees. 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 Center, entrance fees to parks, and transport to the Center. 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.

BIOL 395 Natural History Field Study: Advanced Mojave Desert 2 Units

Prerequisite: BIOL 394 with a grade of "B" or better
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.
Enrollment Limitation: This course requires completion of a course application.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
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. BIOL 395 is an extension of BIOL 394, Natural History Field Study Mojave Desert, and provides the student with opportunities to mentor new students in BIOL 394 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 BIOL 394 (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.

BIOL 398 Natural History Field Study: Sierra Nevada Plants 2 Units

Prerequisite: None.
Advisory: Students must be in good health and able to hike moderate distances in a high elevation environment with uneven ground and variable temperatures.
Enrollment Limitation: This course requires completion of a course application.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
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 or Virginia Meyer at meyerv@scc.losrios.edu.

BIOL 402 Cell and Molecular Biology 5 Units

Prerequisite: CHEM 400 with a grade of "C" or better, or CHEM 305 and Intermediate Algebra with a grade of "C" or better.
Advisory: ENGWR 101 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC; 108 hours LAB
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. (C-ID BIOL 190)

BIOL 412 Plant Biology 5 Units

Prerequisite: BIOL 402 or equivalent course with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC; 108 hours LAB
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 5 Units

Prerequisite: BIOL 402 or an equivalent college-level Cell and Molecular Biology course with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC; 108 hours LAB
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 animal diversity and classification, comparative anatomy and physiology, animal embryology and development. Additional topics include an introduction to population genetics, macro – and microevolution, and speciation. Emphasis will be placed on the evolutionary relationships among animals, their adaptations to different environments, and the evolutionary origin of novel characteristics throughout the animal kingdom.

BIOL 430 Anatomy and Physiology 5 Units

Prerequisite: CHEM 305, 309, or 400 with a grade of "C" or better
Advisory: AH 110, BIOL 100, BIOL 290, or CHEM 306
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC; 108 hours LAB
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. (C-ID BIOL 115S)

BIOL 431 Anatomy and Physiology 5 Units

Prerequisite: CHEM 305 or CHEM 309 or CHEM 400 and BIOL 430 or the equivalent with grades of "C" or better.
Advisory: AH 110 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC; 108 hours LAB
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. (C-ID BIOL 115S)

BIOL 434 Pathology: The Study of Disease 3 Units

Prerequisite: BIOL 431 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 4 Units

Prerequisite: CHEM 305 or CHEM 309 or CHEM 400 or equivalent with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC; 72 hours LAB
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 444 Water and Wastewater Microbiology 3 Units

Prerequisite: CHEM 326 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B2; CSU Area B3
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course includes general concepts in microbiology and cell biology relevant to the role of microorganisms in water and wastewater treatment. Key concepts include selected evolutionary, ecological, morphological, physiological, and biochemical aspects of representative microorganisms found in water and particularly in wastewater. The laboratory includes aseptic techniques, culturing techniques, metabolism, genetics, and taxonomy. This course is intended for students in the Water Treatment Plant Operator or Wastewater Treatment Plant Operator Career Certificate and Mechanical-Electrical Technology Associate of Science Degree programs.

BIOL 494 Topics in Biology .5-4 Units

Prerequisite: BIOL 320 with a grade of "C" or better; or college-level Plant Taxonomy course with an emphasis in field identification with a grade of "C" or better.
Course Transferable to UC/CSU
Hours: 72 hours LEC; 216 hours LAB
This course is designed to enable both science and non-science students to learn about recent developments in biology. Selected topics would 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 1-3 Units

Prerequisite: None.
Enrollment Limitation: Student must obtain approval from an instructor to conduct an independent study with that instructor or instructors.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 1-4 Units

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.
Course Transferable to CSU
Hours: 240 hours LAB
This course provides students with the opportunity to obtain work experience through internships with various resource agencies and private environmental companies and non-profits. The course and internships are strongly correlated with the Field Ecology Certificate program and multiple pre-requisites must be met to qualify for enrollment in this course. Internship sponsors assist students in the acquisition of job skills and the application of knowledge obtained from coursework. This class is available only through instructor consent and an application must be submitted to be considered for internships. The application is available through the Biology Department and can be obtained by emailing a request to wyattd@scc.losrios.edu (David Wyatt).

BIOL 499 Experimental Offering in Biology .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Business BUS, BUSTEC, MGMT, MKT, RE

Degrees:
- **A.S. – Accounting (see under Accounting)**
- **A.S. – Business, General**
- **AS-T – Business Administration for Transfer**
- **A.S. – Management**
- **A.S. – Marketing**
- **A.S. – Marketing, Advertising**
- **A.S. – Office Administration – Virtual Office and Management Technologies, Level D**
- **A.S. – Real Estate**
- **A.S. – Small Business Management**

Certificates of Achievement:
- **Accounting (see under Accounting)**
- **Management**
- **Marketing**
- **Office Administration – Computer Keyboarding and Office Applications**
- **Office Administration – Clerical General Office, Level A**
- **Office Administration – Introduction to Computerized Office Technologies, Level B**
- **Office Administration – Business Operations and Management Technology, Level C**
- **Office Administration – Virtual Office and Management Technologies, Level D**
- **Real Estate**
- **Retail Management**
- **Small Business Management**

Certificate:
- **Customer Service**

Division of Business and Computer Information Science
Deborah Saks, Dean
Business Building 213
916-558-2581

Program Information
Within the Business area, specific majors are available in Accounting, Advertising, Bookkeeping, Customer Service, Management, Marketing, Office Administration, Real Estate, Retail Management, and Small Business Management. Further information on these majors can be found under the specific program.

The business-required courses provide a framework around which business students may structure a program to prepare themselves for the workplace. These courses provide the minimum knowledge, skills, and abilities required to get a job and successfully complete coursework in both two – and four-year business degree programs.

Business, Accounting – See "Accounting"
Associate in Science Degree

Business, General
Associate in Science Degree

Program Information
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.

Career Opportunities
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.

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.

Required Program	Units
ACCT 301 Financial Accounting	4
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) or CISA 306 Intermediate Word Processing (2)	2
CISA 310 Introduction to Electronic Spreadsheets (1) or CISA 311 Intermediate Electronic Spreadsheets (1)	1
CISC 310 Introduction to Computer Information Science	3
ECON 302 Principles of Macroeconomics (3) or ECON 100 Introduction to Economics (3)	3
A minimum of 3 units from the following: BUS 105 Business Mathematics (3); BUS 320 Concepts in Personal Finance (3); ECON 310 Economic Statistics (3)	3
A minimum of 6 units from the following: MGMT 304 Introduction to Management Functions (3); MGMT 372 Human Relations and Organizational Behavior (3); MKT 300 Principles of Marketing (3); MKT 330 Internet Marketing (3)	6
Total Units Required	**34**

Associate in Science (A.S.) Degree
The Associate in Science Degree may be obtained by completion of the required program, plus the general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Associate Degree for Transfer
A Degree with a Guarantee.

Business Administration

Associate in Science for Transfer Degree

Program Information
This Associate in Science in Business Administration for Transfer degree provides students with a major that fulfills the general requirements for 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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Career Opportunities
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.

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.
- apply 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.

Required Program	Units
ACCT 301 Financial Accounting	4
ACCT 311 Managerial Accounting	4
BUS 340 Business Law (3) or BUS 345 Law and Society (3)	3
ECON 302 Principles of Macroeconomics	3
ECON 304 Principles of Microeconomics	3
A minimum of 3 units from the following: 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)	3
A minimum of 6 units from the following: BUS 310 Business Communications (3) or BUS 300 Introduction to Business (3); CISC 310 Introduction to Computer Information Science (3); CISA 305 Beginning Word Processing (2); CISA 315 Introduction to Electronic Spreadsheets (2); CISA 340 Presentation Graphics (2)	6[1]
Total Units Required	**26**

[1]Students can also select one of the following courses if not already used: MATH 340, STAT 300 or STAT 480.

Associate in Science for Transfer Degree
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.

Customer Service

Certificate

Program Information
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.

Career Opportunities
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

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.

Required Program Units

BUS 260 Communicating With Customers..... .5
BUS 261 Exceptional Customer Service..... .5
BUS 262 Team Building in the Workplace 5
BUS 263 Attitude in the Workplace 5

A minimum of 2 units from the following:..... 2
BUS 264 Ethics and Values in the Workplace (.5)
BUS 265 Stress Management in the Workplace (.5)
BUS 266 Time Management in the Workplace (.5)
BUS 267 Dealing With Conflict in the Workplace (.5)
BUS 268 Decision Making & Problem Solving in the Workplace (.5)
BUS 269 Organizational Change (.5)

Total Units Required **4**

Certificate
The Certificate may be obtained by completion of the required program with grades of "C" or better.

Management

Associate in Science Degree

Program Information
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, economics, finance, and business computer applications.

Career Opportunities
This program prepares students for supervisory and management positions in a wide variety of industries.

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.
- demonstrate the ability to 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.

Required Program **Units**

ACCT 301 Financial Accounting..... 4
BUS 300 Introduction to Business..... 3
BUS 330 Managing Diversity in the Workplace 3
MGMT 304 Introduction to Management Functions..... 3
MGMT 309 Introduction to Supervision 3
MGMT 372 Human Relations and Organizational Behavior..... 3
BUSTEC 300.2 Keyboarding/Applications: Document Formatting..... 1

A minimum of 3 units from the following:..... 3
MATH 342 Modern Business Mathematics (3)
or BUS 105 Business Mathematics (3)
ECON 310 Economic Statistics (3)

A minimum of 9 units from the following:..... 9
BUS 340 Business Law (3)
or BUS 345 Law and Society (3)
BUS 310 Business Communications (3)
ECON 100 Introduction to Economics (3)
or ECON 302 Principles of Macroeconomics (3)
CISA 310 Introduction to Electronic Spreadsheets (1)
or CISA 305 Beginning Word Processing (2)
CISA 311 Intermediate Electronic Spreadsheets (1)
or CISA 310 Introduction to Electronic Spreadsheets (1)

A minimum of 6 units from the following:..... 6
BUS 350 Small Business Management/Entrepreneurship (3)
MGMT 306 Introduction to Public Administration (3)
MGMT 308 Personnel and Human Resources Management (3)
MKT 300 Principles of Marketing (3)
MKT 316 Public Relations (3)

Total Units Required **38**

Suggested Electives
ACCT 311, BUS 320 or FCS 304, BUS 498, ECON 304

Associate in Science (A.S.) Degree
The Associate in Science 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.

Management

Certificate of Achievement

Program Information
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.

Career Opportunities
This program prepares students for supervisory and management positions in a wide variety of industries.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051054C01

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.
- demonstrate the ability to 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.

Required Program	Units
BUS 330 Managing Diversity in the Workplace	3
MGMT 304 Introduction to Management Functions	3
MGMT 309 Introduction to Supervision	3
MGMT 372 Human Relations and Organizational Behavior	3
A minimum of 6 units from the following:	6
MGMT 306 Introduction to Public Administration (3)	
MGMT 308 Personnel and Human Resources Management (3)	
MKT 300 Principles of Marketing (3)	
BUS 350 Small Business Management/Entrepreneurship (3)	
MKT 316 Public Relations (3)	
Total Units Required	**18**

Certificate of Achievement
A Certificate of Achievement may be obtained by completing the concentration requirements (18 units) with grades of "C" or better.

Marketing

Associate in Science Degree

Program Information
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.

Career Opportunities
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.

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 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 different 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.
- compose effective verbal and written communications in various business settings.

Required Program	Units
ACCT 101 Fundamentals of College Accounting (3)	3 – 4
or ACCT 301 Financial Accounting (4)	
BUS 300 Introduction to Business	3
BUSTEC 300.2 Keyboarding/Applications: Document Formatting	1
MKT 300 Principles of Marketing	3
MKT 310 Selling Professionally	3
MKT 314 Advertising	3
A minimum of 3 units from the following:	3
BUS 105 Business Mathematics (3)	
ECON 310 Economic Statistics (3)	
A minimum of 9 units from the following:	9
BUS 310 Business Communications (3)	
BUS 345 Law and Society (3)	
or BUS 340 Business Law (3)	
CISA 305 Beginning Word Processing (2)	
CISA 310 Introduction to Electronic Spreadsheets (1)	
ECON 100 Introduction to Economics (3)	
or ECON 302 Principles of Macroeconomics (3)	
MGMT 304 Introduction to Management Functions (3)	
MGMT 372 Human Relations and Organizational Behavior (3)	
A minimum of 9 units from the following:	9
BUS 310 Business Communications (3)	
BUS 350 Small Business Management/Entrepreneurship (3)	
MKT 312 Retailing (3)	
MKT 316 Public Relations (3)	
MKT 330 Internet Marketing (3)	
Total Units Required	**37-38**

Suggested Electives
BUS 212, BUS 220, BUS 330, BUS 498

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completing the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Marketing

Certificate of Achievement

Program Information
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.

Career Opportunities
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, services marketing.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051055C01

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 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 different concepts of ethics and social responsibility.
- compose effective verbal and written communications in various business settings.
- 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.

Required Program	Units
BUS 300 Introduction to Business	3
MKT 300 Principles of Marketing	3
MKT 310 Selling Professionally	3
MKT 314 Advertising	3
A minimum of 6 units from the following:	6
BUS 210 The Business Plan (1)	
BUS 212 Marketing for Small Businesses (1)	
BUS 220 Retailing and Merchandising for the Small Business (1)	
BUS 330 Managing Diversity in the Workplace (3)	
MGMT 372 Human Relations and Organizational Behavior (3) or MGMT 304 Introduction to Management Functions (3)	
MKT 312 Retailing (3)	
MKT 316 Public Relations (3)	
MKT 330 Internet Marketing (3)	
Total Units Required	**18**

Certificate of Achievement
A Certificate of Achievement may be obtained by completion of the Required Program with grades of "C" or better.

Marketing, Advertising

Associate in Science Degree

Program Information
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.

Career Opportunities
The program provides an opportunity for students to acquire knowledge and training for careers in advertising, e-marketing, product management, public relations, services marketing, media planning, media buying, copywriter, and communications.

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 marketing strategy.
- examine the different 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.
- examine the major functional areas of business organizations, including management, marketing, finance, and accounting.
- evaluate practical business problems and utilize critical thinking in the determination of alternative solutions.
- 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

Required Program	Units
ACCT 101 Fundamentals of College Accounting (3) or ACCT 301 Financial Accounting (4)	3 – 4
BUS 300 Introduction to Business	3
MKT 300 Principles of Marketing	3
MKT 310 Selling Professionally	3
MKT 314 Advertising	3
A minimum of 3 units from the following:	3
BUS 105 Business Mathematics (3)	
ECON 310 Economic Statistics (3)	
A minimum of 9 units from the following:	9
BUS 310 Business Communications (3)	
BUS 340 Business Law (3) or BUS 345 Law and Society (3)	
CISA 305 Beginning Word Processing (2)	
CISA 310 Introduction to Electronic Spreadsheets (1)	
CISA 340 Presentation Graphics (2)	
ECON 100 Introduction to Economics (3) or ECON 302 Principles of Macroeconomics (3)	
MGMT 304 Introduction to Management Functions (3)	
MGMT 372 Human Relations and Organizational Behavior (3)	
A minimum of 9 units from the following:	9
ART 300 Drawing and Composition I (3)	
ART 301 Digital Drawing and Composition (3)	
ART 302 Drawing and Composition II (3)	
ART 320 Design: Fundamentals (3)	
ART 322 Design: Image and Content (3)	
MKT 316 Public Relations (3)	
MKT 330 Internet Marketing (3)	
Total Units Required	**36-37**

Suggested Electives
BUS 212, BUS 498

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completing required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Office Administration
Computer Keyboarding & Office Applications

Certificate of Achievement

Program Information
This certificate program prepares students to utilize various office applications software programs and key complex documents using proper formatting and technique for a variety of business and/or personal uses. This program is especially designed for students with little or no keyboarding or software applications experience, but it is also challenging enough for those who have experience typing and using office applications. Students will learn to use the computer keyboard by touch and progress to typing at least 40 words per minute. Students will use computer applications to create and edit business documents and develop solutions for complex business problems.

Career Opportunities
Due to the increase of office automation, computer keyboarding and office applications skills are used in a variety of career fields. No longer is typing and word processing left solely up to a secretary or administrative assistant. Professionals in many occupations use keyboarding skills and office applications on a regular basis including account executives, accountants, administrative assistants, administrators, auditors, authors, bookkeepers, call center representatives, computer programmers, computer technicians, customer service representatives, data entry operators, doctors, editors, engineers, lawyers, managers, medical record scanners, reporters, project managers, sales representatives, researchers, software engineers, stenographers, supervisors, teachers, and virtual assistants to name a few. This program will meet the needs of students who want to be able to type correctly and use office applications effectively in their present or future careers.

Upon completion of this program, the student will be able to:
- analyze, arrange, and type letters, memorandums, tables, and reports according to formatting and accuracy standards.
- touch type 40+ WPM for 5 minutes with a maximum of 1 error/minute.
- compose effective business employment documents such as cover letters and applications.
- utilize knowledge and skills learned in the classroom to real world business situations.
- compose business documents using various features of current office suite programs.
- research, prepare, and present on-screen presentations.
- solve business problems using spreadsheets as a tool.
- identify and correct spelling errors quickly and accurately.

- operate a numeric keypad by touch at a rate of 10,000 or more keystrokes an hour with 98 percent accuracy.
- demonstrate understanding of copyright laws, legal issues, social and ethical issues related to computer use.
- use basic Windows operating system commands to format disk, view, copy, move and erase files; create sub-directories.
- manipulate and manage files using a file manager.
- customize Windows using the Control Panel.
- establish folders (directories) and subfolders (sub-directories) for information management.

Required Program	Units
BUSTEC 100.2 Keyboarding Skills: Intermediate	1
BUSTEC 100.3 Keyboarding Skills: Advanced	1
BUSTEC 101 Computer Keyboarding: 10-Key	1
BUSTEC 300.2 Keyboarding/Applications: Document Formatting	1
BUSTEC 300.3 Keyboarding/Applications: Advanced Document Formatting	1
CISC 300 Computer Familiarization	1
CISA 305 Beginning Word Processing	2
CISA 306 Intermediate Word Processing	2
CISA 340 Presentation Graphics	2
CISA 310 Introduction to Electronic Spreadsheets	1
CISA 311 Intermediate Electronic Spreadsheets	1
Total Units Required	**14**

Certificate of Achievement
The Certificate of Achievement may be obtained by completing the concentration requirements with grades of "C" or better.

Office Administration
Clerical General Office, Level A

Certificate of Achievement

Program Information
This program is designed for students who are interested in working in a business office. Students will receive classroom instruction followed by on-the-job work experience that will equip them to be successful in an entry-level clerical position in an office environment.

Career Opportunities
Upon completion of this certificate, possible job opportunities will include: office assistant, general clerical worker, office clerk, records clerk, and information clerk.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051566C01

Upon completion of this program, the student will be able to:
- demonstrate effective oral and written communication.
- demonstrate the ability to key at least 36 WPM by touch.
- use office software to create, save, edit, and print documents.
- demonstrate proficiency using electronic forms of communication.
- support basic administrative procedures in an office environment.
- research information using the Internet.
- apply techniques of 10-key operation to a variety of data entry employment tasks and tests.

Required Program	Units
BUS 105 Business Mathematics	3
BUS 310 Business Communications	3
BUSTEC 100.1 Keyboarding Skills: Beginning (1)	1
or BUSTEC 300.1 Keyboarding/Applications: Beginning (1)	
BUSTEC 101 Computer Keyboarding: 10-Key	1
BUSTEC 110 Business Procedures for Professional Success	3
BUSTEC 315 Records and Digital Information Management	3
BUSTEC 300.2 Keyboarding/Applications: Document Formatting	1
CISC 300 Computer Familiarization (1)	1 – 3
or CISC 310 Introduction to Computer Information Science (3)	
A minimum of 1 unit from the following:	1
BUS 498 Work Experience in Business (1 – 4)	
Total Units Required	**17-19**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Office Administration
Introduction to Computerized Office Technologies, Level B

Certificate of Achievement

Program Information
This program prepares students for increased responsibilities in an administrative office where an emphasis on computer applications is required or desired.

Career Opportunities
This program prepares students for employment as accounting clerks, payroll clerks, administrative clerks, and general office clerks.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051566C02

Upon completion of this program, the student will be able to:
- demonstrate effective oral and written communication.
- compose business documents using current office suite programs.
- research solutions to business problems using electronic and print sources.
- calculate payroll and prepare federal and state payroll tax returns.
- identify, record, transfer, and summarize business transactions.
- prioritize electronic and printed records.
- demonstrate the ability to key at least 40 WPM by touch.
- create effective presentations for audiences.
- examine the major functional areas of business including management, human relations, marketing, finance, accounting, and international business.

Required Program	Units
ACCT 101 Fundamentals of College Accounting	3
BUS 105 Business Mathematics	3
BUS 300 Introduction to Business	3
BUS 310 Business Communications	3
BUSTEC 100.2 Keyboarding Skills: Intermediate	1[1]
BUSTEC 100.3 Keyboarding Skills: Advanced	1[2]
BUSTEC 110 Business Procedures for Professional Success	3
BUSTEC 315 Records and Digital Information Management	3
BUSTEC 300.2 Keyboarding/Applications: Document Formatting	1
BUSTEC 300.3 Keyboarding/Applications: Advanced Document Formatting	1
CISA 305 Beginning Word Processing	2
CISA 310 Introduction to Electronic Spreadsheets	1
CISA 340 Presentation Graphics	2
CISC 300 Computer Familiarization	1
CISC 305 Introduction to the Internet	1
Total Units Required	**29**

[1]*Waived for students who demonstrate keying over 40 Net Words per minute on a five-minute timed test.*
[2]*Waived for students who demonstrate keying over 40 Net Words per minute on a five-minute timed test.*

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Office Administration
Business Operations and Management Technology, Level C

Certificate of Achievement

Program Information
This program prepares students for the ever-changing business environment by offering a variety of courses that will help students learn and keep up with the technologies and resources that are used by business professionals on a daily basis.

Career Opportunities
This program prepares students for employment as administrative assistants, human resources assistants, data entry operators, billing clerks, bookkeepers, accounting clerks, and auditing clerks.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051566C03

Upon completion of this program, the student will be able to:
- evaluate primary/secondary research findings and draw conclusions.
- compose complicated business documents using intermediate-level skills and current office suite software programs.
- calculate payroll and prepare federal and state payroll tax returns.
- identify, record, transfer, and summarize business transactions.
- arrange alphabetic and numeric records from printed and electronic sources.
- solve business problems using sophisticated management technology.
- create effective presentations for audiences.
- examine the major functional areas of business including management, human relations, marketing, finance, accounting, and international business.

Required Program	Units
ACCT 101 Fundamentals of College Accounting	3
BUS 105 Business Mathematics	3
BUS 300 Introduction to Business	3
BUS 310 Business Communications	3
BUSTEC 101 Computer Keyboarding: 10-Key	1
BUSTEC 110 Business Procedures for Professional Success	3
BUSTEC 315 Records and Digital Information Management	3
BUSTEC 300.3 Keyboarding/Applications: Advanced Document Formatting	1
CISC 300 Computer Familiarization	1
CISA 306 Intermediate Word Processing	2
CISA 311 Intermediate Electronic Spreadsheets	1
CISA 340 Presentation Graphics	2
MGMT 372 Human Relations and Organizational Behavior (3) or MGMT 304 Introduction to Management Functions (3)	3
Total Units Required	**29**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Office Administration
Virtual Office and Management Technologies, Level D

Associate in Science Degree
Certificate of Achievement

Program Information
This exciting degree program is designed for people who desire to work in virtual office, office administration, or office management careers. People who enjoy the challenges of learning new technologies and the flexibility of working outside of the typical office environment will be interested in this program. If you are considering a career in which you work from home, you should complete this degree.

Career Opportunities
This program prepares students for careers as virtual entrepreneurs including virtual assistants, office supervisors, administrative support supervisors, and administrative assistants.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051566C04

Upon completion of this program, the student will be able to:
- generate effective business documents by composing and formatting employment documents, business presentations, and formal reports that exhibit a clear understanding of the structure of English grammar, word usage, spelling, punctuation, and business vocabulary using office-level software.
- demonstrate proficiency in and apply industry-standard methods to manual and electronic records management, storage, and retrieval of records.
- assemble in small groups to conduct research including assessing Internet options in the search for relevant information.
- evaluate and prepare various financial statements for business transactions.
- assess a variety of management philosophies to management problems using cognitive skills to make appropriate decisions.
- apply practical problem solving, and analytical and critical thinking skills to function successfully as consumers, employees, and business persons.
- apply knowledge and skills learned in the classroom to real world business situations.
- examine the major functional areas of business including management, human relations, marketing, finance, accounting, and international business.
- demonstrate supervision and management skills to facilitate workflow and productivity in today's workplace.
- devise effective Internet marketing strategies that enhance business success.

Required Program	Units
ACCT 101 Fundamentals of College Accounting	3
ACCT 138 Small Business Taxes	2
BUS 105 Business Mathematics	3
BUS 310 Business Communications	3
BUS 350 Small Business Management/Entrepreneurship	3
BUSTEC 110 Business Procedures for Professional Success	3
BUSTEC 315 Records and Digital Information Management	3
BUSTEC 300.3 Keyboarding/Applications: Advanced Document Formatting	1
BUSTEC 352 Virtual Entrepreneurship: Creating and Operating a Home-based Online Business	3[1]
CISA 340 Presentation Graphics	2
MKT 330 Internet Marketing	3
A minimum of 2 units from the following: WEXP 298 Work Experience in (Subject) (1 – 4)	2[2]
Total Units Required	**31**

[1] This course replaces BUSTEC 350. BUSTEC 350 at SCC only can be used to fulfill this requirement.
[2] Work experience must be in area related to Degree or Certificate.

Suggested Electives
BUSTEC 101, CISC 306, 351; COMM 301, MKT 316

Associate in Science (A.S.) Degree
The Associate in Science Degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to equal a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Real Estate

Associate in Science Degree
Certificate of Achievement

Program Information
The associate degree and certificate program in real estate focus on the practical application and understanding of the concepts utilized in real estate markets and the real estate career fields. Course work includes real estate principles, legal aspects of real estate, real estate practice, real estate finance, real estate economics, and appraisal.

Career Opportunities
Career Opportunities include Real Estate Salesperson, Real Estate Broker, Real Estate Appraiser, Real Estate Investor, and Small Business Owner.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051251C01

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.

Required Program	**Units**
ACCT 101 Fundamentals of College Accounting (3) or ACCT 301 Financial Accounting (4)	3-4
BUSTEC 300.2 Beginning Keyboarding/Applications: Document Formatting	1
BUS 300 Introduction to Business	3
CISC 300 Computer Familiarization	1
RE 300 California Real Estate Principles	3
RE 330 Legal Aspects of Real Estate	3
RE 310 Real Estate Practice	3
RE 320 Real Estate Finance	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: BUS 105 Business Mathematics (3) ECON 310 Economic Statistics (3)	3
A minimum of 6 units from the following: ECON 302 Principles of Macroeconomics (3) MKT 310 Selling Professionally (3) MKT 314 Advertising (3) RE 344 Advanced Appraisals (3) RE 350 Real Property Management (3) RE 370 Escrow Procedures (3) RE 497 Internship in Real Estate (4)	6
Total Units Required	**38-39**

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completing the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completing the required program with grades of "C" or better.

Retail Management

Certificate of Achievement

Program Information
This program provides an overview of the retail industry and the skills needed to succeed in this arena. It is designed to provide training for those wishing to be owners, managers, or employees of retail organizations. The certificate meets the needs of industry leaders, such as the Western Association of Food Chains (WAFC).

Career Opportunities
This program prepares students for employment as buyers, department managers, store managers, entrepreneurs, and customer service representatives.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051175C01

Upon completion of this program, the student will be able to:
- research retailing trends, applications, and the variables involved in service retailing.
- incorporate principles of product development, pricing, distribution strategies, promotion strategies, and market research.
- evaluate practical business problems and utilize critical thinking in the determination of alternative solutions.
- assess how retailers use merchandise management decisions to implement their retail strategy, including planning, buying, pricing, branding, and promoting their merchandise.
- compose effective verbal and written communications in various business settings.
- integrate management principles when dealing with issues in the areas of finance, personnel, products, services, and information.
- evaluate how retailers use customer relationship management (CRM) to identify their best customers and build customer loyalty.

Required Program	**Units**
ACCT 101 Fundamentals of College Accounting (3) or ACCT 301 Financial Accounting (4)	3 – 4
BUS 105 Business Mathematics	3
BUS 100 English for the Professional (3) or BUS 310 Business Communications (3)	3

CISA 305 Beginning Word Processing 2
CISA 310 Introduction to Electronic Spreadsheets 1
COMM 301 Introduction to Public Speaking (3) 3
or COMM 321 Interpersonal Communication (3)
MGMT 304 Introduction to Management Functions 3
MGMT 308 Personnel and Human Resources Management 3
MGMT 372 Human Relations and Organizational Behavior 3
MKT 300 Principles of Marketing 3
MKT 312 Retailing 3

Total Units Required **30-31**

Certificate of Achievement
A Certificate of Achievement may be obtained by completion of the required courses with grades of "C" or better.

Small Business Management

Associate in Science Degree

Program Information
This program is designed for those who aspire to start their own businesses or pursue positions in management in smaller companies. The curriculum has a two-fold purpose: 1) to acquaint students with the unique aspects of small businesses, and 2) to help students acquire the knowledge, skill, and understanding they need as preparation for positions in management.

Upon completion of this program, the student will be able to:
- assess the feasibility of starting a business venture.
- research and compose a business plan suitable for planning and financing purposes.
- evaluate real or potential small business problems and apply appropriate management, finance, accounting, marketing, and technology solutions.
- develop effective oral and written communication skills that can be applied in various business settings.
- demonstrate the ability to comprehend, apply, and evaluate standards of ethical behavior in various business situations.
- formulate original ideas and concepts in addition to integrating the ideas of others into the problem solving process.

Required Program **Units**

ACCT 101 Fundamentals of College Accounting (3) ..... 3 – 4
or ACCT 301 Financial Accounting (4)
BUS 300 Introduction to Business 3
BUSTEC 300.2 Keyboarding/Applications: Document Formatting 1
CISC 300 Computer Familiarization 1
MKT 300 Principles of Marketing 3
MKT 310 Selling Professionally 3
MKT 314 Advertising 3
BUS 350 Small Business Management/Entrepreneurship 3

A minimum of 3 units from the following: 3
BUS 105 Business Mathematics (3)
ECON 310 Economic Statistics (3)

A minimum of 9 units from the following: 9
BUS 310 Business Communications (3)
BUS 340 Business Law (3)
or BUS 345 Law and Society (3)
CISA 305 Beginning Word Processing (2)
CISA 310 Introduction to Electronic Spreadsheets (1)
ECON 302 Principles of Macroeconomics (3)
or ECON 100 Introduction to Economics (3)
MGMT 304 Introduction to Management Functions (3)
MGMT 372 Human Relations and Organizational Behavior (3)

A minimum of 6 units from the following: 6
BUS 210 The Business Plan (1)
BUS 212 Marketing for Small Businesses (1)
BUS 214 Financing a Small Business (1)
BUS 216 Essential Records for the Small Business (1)
BUS 218 Management Skills for the Small Business (1)
BUS 220 Retailing and Merchandising for the Small Business (1)
MGMT 304 Introduction to Management Functions (3)
MGMT 372 Human Relations and Organizational Behavior (3)
MKT 330 Internet Marketing (3)

Total Units Required **38-39**

Suggested Electives
ACCT 341, BUS 320 or FCS 304, BUS 498, MGMT 309, MKT 312

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completion of the required program, concentration requirements, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Small Business Management

Certificate of Achievement

Program Information
This program is designed for those who aspire to start their own businesses or pursue positions in management in smaller companies.

The curriculum has a two-fold purpose: 1) to acquaint students with the unique aspects of small businesses, and 2) to help students acquire the knowledge, skill, and understanding they need as preparation for positions in management.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051312C01

Upon completion of this program, the student will be able to:
- assess the feasibility of starting a business venture.
- research and compose a business plan suitable for planning and financing purposes.
- evaluate real or potential small business problems and apply appropriate management, finance, accounting, marketing, and technology solutions.
- develop effective oral and written communication skills that can be applied in various business settings.
- demonstrate the ability to comprehend, apply, and evaluate standards of ethical behavior in various business situations.

Required Program **Units**

ACCT 101 Fundamentals of College Accounting 3
BUS 300 Introduction to Business 3
BUS 350 Small Business Management/Entrepreneurship 3
MKT 300 Principles of Marketing 3

A minimum of 3 units from the following: 3
BUS 210 The Business Plan (1)
BUS 212 Marketing for Small Businesses (1)
BUS 214 Financing a Small Business (1)
BUS 216 Essential Records for the Small Business (1)
BUS 218 Management Skills for the Small Business (1)
BUS 220 Retailing and Merchandising for the Small Business (1)

A minimum of 3 units from the following: 3
BUS 310 Business Communications (3)
BUS 320 Concepts in Personal Finance (3)
MGMT 304 Introduction to Management Functions (3)
MGMT 372 Human Relations and Organizational Behavior (3)
MKT 314 Advertising (3)
MKT 312 Retailing (3)
MKT 330 Internet Marketing (3)
MKT 316 Public Relations (3)

Total Required for Certificate **18**

Certificate of Achievement
A Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Business (BUS)

BUS 100 English for the Professional 3 Units

Prerequisite: ENGWR 51 and ENGRD 110, or ESLW 320 and ESLR 320 with grades of "C" or better.
Advisory: Credit for BUSTEC 100.1 or completion of BUSTEC 300.1 with a grade of "C" or better.
Hours: 54 hours LEC
This course is designed to prepare students for business communication. It presents principles of correct and effective English usage as applied in business. 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 needed to format business documents and search the Internet for information. Proofreading skills are emphasized throughout the course. This course focuses on teaching students to analyze, compose, and organize written communication into effective business documents. This course 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 3 Units

Prerequisite: None.
Advisory: ESLR 320 or ENGRD 10, and MATH 27 OR MATH 28 with grades of "C" or better; OR placement through assessment process.
Hours: 54 hours LEC
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 every major in business.

BUS 205 Entrepreneurship Quick Start 6 Units

Prerequisite: None.
Hours: 108 hours LEC
The Entrepreneurship Quick Start program is an intensive retraining program targeting professionals who want to open their own successful businesses. Entrepreneurs will learn how to develop a marketing plan, a strategic plan, a general business plan, an accounting system, and a logo design; how to understand state and federal procurement procedures; and how to obtain the necessary licensing to do business.

BUS 210 The Business Plan 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
This course offers a simple and organized step-by-step process for thinking through and writing a business plan for starting or growing a small business. The planning process will enable the small business owner, manager, or nonprofit director to reduce risk of failure, solve problems before they occur, reduce capital requirements, recruit key resources, apply for a business loan, attract venture capital, and provide short-term direction and long-term vision.

BUS 212 Marketing for Small Businesses 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
This course emphasizes how a small business or non-profit organization can market its service or product to its customers. The student will learn about ways to improve the marketing mix, identify target markets, and develop a marketing plan.

BUS 214 Financing a Small Business 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
This course offers information on how to obtain and acquire tools for managing capital. The course will present various sources of capital for small business, traditional loan requirements, nontraditional financing options, choosing a lender, and packaging an application. Additionally, it will offer methods for preparing and using financial management tools such as a budget, income statement, balance sheet, and cash flow projections, as a part of preparing an application package. Concepts presented can be applied to for profit and nonprofit capital generation.

BUS 216 Essential Records for the Small Business 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
Records and recordkeeping are key components of success in order to better manage a small organization and remain compliant with government requirements. This course will introduce various records that a small business owner and a non-profit manager may be required to maintain, methods for maintaining them, and the reasons for staying on top of such records. Accounting, financial, tax, employee, licensing, and legal records will all be covered. Various legal business structures will also be covered in this course.

BUS 218 Management Skills for the Small Business 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
In order to improve the possibility of organizational success, a small business owner or nonprofit manager must know what makes one business owner/manager successful while others struggle or fail. This course covers some of the basic principles for owner/manager success while offering information to assist with effectively managing oneâs self and other workers, employees, or independent contractors. Topics such as worker selection, worker and self motivation, the functions of management, leadership, and communication will be covered. Techniques for making better decisions, delegating, conducting group and one-on-one meetings, achieving goals, listening, and time management will be offered.

BUS 220 Retailing and Merchandising for the Small Business 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
This course will emphasize retailing concepts such as inventory control and turnover rates, selecting merchandise sources, using trade and cash discounts, pricing, markup and markdown, and shrinkage control. Students will also learn how to develop a merchandising plan, inventory control system, and assess consumer behavior and demographics.

BUS 260 Communicating With Customers .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to introduce the student to the key elements of communication and its importance in providing exceptional customer service. Topics will include verbal and nonverbal communication as well as listening skills. Emphasis will be 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to provide the student with certain key skills and attitudes in order to effectively meet the needs of customers. The student will be introduced to the concepts of internal and external customers, customer satisfaction, and customer retention. Topics will 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to provide the student with an understanding of team building and the role teams play in providing exceptional customer service. Students will learn how effective teams work, common problems teams encounter, and how to resolve them. 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to introduce the student to the subject of attitude and the importance of a positive attitude in providing exceptional customer service. Certain key skills will help participants maintain a positive attitude in the workplace and at home. The student will be introduced to the concepts of 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course will acquaint the student with 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 will be 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to acquaint the student with the elements of stress management and its importance in providing exceptional customer service. Topics will include the recognition of stress, causes of stress, and the benefits of managing stress. Emphasis will be 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to introduce the student to 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 will be discussed. Emphasis will be 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to introduce the student to the subject of conflict management and the importance of managing conflict in providing exceptional customer service. Topics will include the meaning of conflict, the causes of conflict between individuals and groups within an organization, and strategies for resolving interpersonal conflict. Emphasis will be placed on how to deal with difficult people 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to introduce the student to the role and importance of effective decision making and problem solving in providing exceptional customer service. Emphasis will be 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 .5 Unit

Prerequisite: None.
Hours: 9 hours LEC
This course is designed to provide the student with an understanding of 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. The goal is to provide practical, hands-on skills to non-management level personnel.

BUS 294 Topics in Business .5-4 Units

Prerequisite: None.
Hours: 72 hours LEC
This course is designed to give students an opportunity to study topics in business not included in current course offerings.

BUS 300 Introduction to Business 3 Units

Prerequisite: None.
Advisory: ENGWR 51 or ESLW 50 with a grade "C" or better.
General Education: AA/AS Area V(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID BUS 110)

BUS 310 Business Communications 3 Units

Prerequisite: BUS 100, ENGWR 101 or ESLW 340 with a grade of "C" or better; or placement through the assessment process.
Advisory: Credit for BUSTEC 100.1 or BUSTEC 300.1 at 28+ net words per minute, or equivalent
General Education: AA/AS Area II(a)
Course Transferable to CSU
Hours: 54 hours LEC
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 oral reports using word processing software and presentation software. Analytical skills are used to plan, organize, compose, critique, and revise letters, memos, emails, and reports. Messages are broken into their component parts for a critical analysis of organization, content, style, tone, grammar, format, and appearance. Students conduct primary and secondary research to draw conclusions and make recommendations. A formal analytical research paper using APA or MLA style citations and graphics is required. The results of the formal research paper are presented in an oral presentation using presentation software. This course is designed for students who already have college-level writing skills. (C-ID BUS 115)

BUS 320 Concepts in Personal Finance 3 Units

Same As: FCS 304
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.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to CSU
Hours: 54 hours LEC
This course is designed to teach students to analyze their own finances. Elements and concepts of financial planning will be examined such as: budgeting, taxes, borrowing, money management, insurance, investments, and retirement. Students may receive credit for FCS 304 or BUS 320 but not for both.

BUS 325 Investments and Financial Management 3 Units

Same As: ECON 330
Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; CSU Area D7
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 stresses 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. (C-ID BUS 125)

BUS 345 Law and Society 3 Units

Prerequisite: None.
General Education: CSU Area D8; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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, theory behind the law, and on 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. (C-ID BUS 120)

BUS 350 Small Business Management/Entrepreneurship 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This class covers the various elements in starting and operating a small business. Students will learn about the components necessary to develop a business plan, how to find financial resources, meet legal requirements, develop management techniques, understand marketing concepts and techniques, and other topics of interest to the small business entrepreneur.

BUS 495 Independent Studies in Business .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 72 hours LEC
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 1-4 Units

Prerequisite: None.
General Education: AA/AS Area III(b)
Enrollment Limitation: Students must be currently employed or participating in an internship to receive credit for this course.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
This course is designed to provide students with effective job development skills that will assist them in obtaining and keeping an internship or a job in the student's major area. Course content will include understanding the application of education to the workforce; the responsibilities of an internship (where applicable) or a job; completion of Title V Education Code papers (the student's Application, Learning Objectives, Time sheet, and Evaluations), which document the student's progress and hours spent at the workplace or internship site; and developing workplace (soft) skills relevant to the 21st century workplace. 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. In addition, the student and the Work Experience instructor may tailor the course to meet the student's specific professional needs by identifying 1-4 workshops, trainings, or conferences that the student may attend as part of the curriculum of the Business 498 class. Only one Work Experience course may be taken per semester. Business includes Accounting, Business, Computer Information Science, Management, Marketing, and Real Estate. The class will explore the use of modern personnel management principles such as employee appraisal, interviewing, and self-motivation.

BUS 499 Experimental Offering in Business .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offerings

Business Technology (BUSTEC)

BUSTEC 100 Keyboarding Skills 1-3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 51, or ESLR 310 and ESLW 50 with grades of "C" or better.
Hours: 54 hours LEC; 54 hours LAB
This computer keyboarding course is the parent course for keyboarding modules BUSTEC 100.1, 100.2, and 100.3. These modules help students to learn the computer keyboard by touch and build their computer keyboarding speed and accuracy. Individualized skill improvement plans are based on a computerized assessment of computer keyboarding speed and accuracy. This course is graded Pass/No Pass. Students will earn a unit of credit for each module successfully completed.

BUSTEC 100.1 Keyboarding Skills: Beginning 1 Unit

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 51, or ESLR 310 and ESLW 50 with grades of "C" or better.
Hours: 18 hours LEC; 18 hours LAB
This introductory keyboarding course is designed for students who desire to learn the computer keyboard by touch. Students will learn to type the alphabetic, numeric, and corresponding symbol keys using the touch-type method. Emphasis is placed on good finger position, speed, and accuracy. This is a good course for students to take regardless of their majors. This course is graded Pass/No Pass.

BUSTEC 100.2 Keyboarding Skills: Intermediate 1 Unit

Prerequisite: BUSTEC 300.1 with a grade of "C" or better or BUSTEC 100.1 with credit, and the ability to touch-type at least 28 words per minute for two minutes with a maximum of five errors.
Advisory: ENGRD 110 and ENGWR 51, or ESLR 310 and ESLW 50 with grades of "C" or better.
Hours: 18 hours LEC; 18 hours LAB
This intermediate course builds on the skills learned in the prerequisite course(s). BUSTEC 100.2 is designed for students who have the ability to touch-type but want to increase their keyboarding speed and accuracy. An individualized skill improvement plan will be developed during the first week of the course. This plan is based on a computerized assessment of current keyboarding speed, accuracy, and technique. Students must meet or exceed their prescribed goals in order to receive credit for this course. Students who want to learn to format business documents using an Office-level word processing program should enroll in BUSTEC 300.2. This course is graded Pass/No Pass.

BUSTEC 100.3 Keyboarding Skills: Advanced 1 Unit

Prerequisite: Credit for BUSTEC 100.2
Advisory: ENGRD 110 and ENGWR 51, or ESLR 310 and ESLW 50 with grades of "C" or better.
Hours: 18 hours LEC; 18 hours LAB
This advanced course is open to students who have successfully completed BUSTEC 100.2. An individualized skill improvement plan will be developed during the first week of the course. This plan is based on a computerized assessment of current keyboarding speed, accuracy, and technique. Students must meet or exceed their prescribed goal in order to receive credit. This course is graded Pass/No Pass.

BUSTEC 101 Computer Keyboarding: 10-Key 1 Unit

Prerequisite: None.
Hours: 18 hours LEC; 18 hours LAB
This course introduces the numeric keypad to help students develop the ability to key numeric data into a computer with speed and accuracy using the touch method. Fundamental ten-key skills are presented through timed drills and practice sets. This course is graded Pass/No Pass.

BUSTEC 110 Business Procedures for Professional Success 3 Units

Prerequisite: None.
Advisory: BUS 100, BUSTEC 115, BUSTEC 300.2, and CISC 300 with grades of "C" or better
Hours: 54 hours LEC
This course prepares students to perform various information processing procedures and problem solving tasks required to support both today's office systems and those of the future. Students learn critical thinking, problem solving, teamwork, supervisory skills, office procedures, and information processing technologies to manage their work, as well as necessary attributes of an office professional. These skills will provide the foundation for advancement to supervision and management positions. Primary emphasis is on processing documents using introductory skills in word processing, spreadsheets, presentation graphics, databases, and e-mail. Also included are managing information storage and retrieval, and coordinating office communications to improve the efficiency of office functions.

BUSTEC 299 Experimental Offering in Business Technology .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings.

BUSTEC 300 Keyboarding/Applications 1-3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 51, or ESLW 320 and ESLR 320 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This course helps students build speed and accuracy using the touch method while helping them develop and improve their business English skills. Module 1 (1 unit) introduces or reviews the keyboard by touch. Module 2 (1 unit) and Module 3 (1 unit) cover the preparation of business documents using word processing. Proofreading, grammar, spelling, and punctuation are reinforced throughout the each module. Students will earn a grade for each module successfully completed.

BUSTEC 300.1 Keyboarding/ Applications: Beginning 1 Unit

Prerequisite: None.
Advisory: ENGWR 51 and ENGRD 110, or ESLW 320 and ESLR 320 with grades of "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
Keyboarding/Applications: Beginning is an introductory keyboarding course that emphasizes operating alphabetic, numeric, and symbol keys by touch. Students will learn computer-keyboarding techniques, speed-and-accuracy development, and essential computer-keyboarding information. This letter-graded course is specifically designed for the beginning typist as well as those who have been typing for a long time using improper technique. BUSTEC 300.1 is a prerequisite to BUSTEC 300.2 and BUSTEC 100.2.

BUSTEC 300.2 Keyboarding/Applications: Document Formatting 1 Unit

Prerequisite: BUSTEC 300.1 with a grade of "C" or better or BUSTEC 100.1 with credit, and the ability to touch-type at least 28 words per minute for two minutes with a maximum of five errors.
Advisory: ENGWR 51 and ENGRD 110, or ESLW 320 and ESLR 320 with grades of "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course provides beginning to intermediate document formatting and skill development for academic, employment, personal, and businesses purposes. This course builds upon skills learned in BUSTEC 300.1 and BUSTEC 100.1 to provide students with additional computer keyboarding skills in the creation and modification of word processing documents. Students will use an office-level word processing program to create and format business correspondence, academic reports, business reports, and tables. English grammar, spelling, punctuation, and proofreading are reinforced throughout. Students will complete timed writing tests to increase their speed and accuracy. This course is a prerequisite to BUSTEC 300.3.

BUSTEC 300.3 Keyboarding/Applications: Advanced Document Formatting 1 Unit

Prerequisite: BUSTEC 300.2 with a grade of "C" or better, and the ability to touch-type at least 36 words per minute for three minutes with a maximum of five errors.
Advisory: ENGWR 51 and ENGRD 110, or ESLW 320 and ESLR 320 with grades of "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course provides advanced skill development of documents for business, academic, employment, or personal use. The course teaches students to apply advanced formats by building on skills learned in BUSTEC 300.2. The course includes enhancing proofreading proficiency, reinforcing communication skills, increasing speed and accuracy, and using features of a current office-level word processing program to create a variety of documents.

BUSTEC 315 Records and Digital Information Management 3 Units

Prerequisite: None.
Advisory: CISA 323 with a grade of "C" or better; Grade of Pass for BUSTEC 100.1 or BUSTEC 300.1 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course explores records and digital information management for business and personal uses. Students will learn about the rules that have been established by the Association of Records Managers and Administrators (ARMA), and how those rules are applied in real-world contexts. Principles and practices of effective records management for indexing, storage, and maintenance of various types of records are explored. Students will investigate alphabetic, numeric, subject, and geographic records management theories. The use of a computerized database program is included. This course was formerly known as BUSTEC 115.

BUSTEC 352 Virtual Entrepreneurship: Creating and Operating a Home-based Online Business **3 Units**

Prerequisite: None.
Advisory: BUS 100 or ENGWR 101 and BUSTEC 300.2 and CISC 300 with grades of "C" or better
General Education: AA/AS Area III(b)
Course Transferable to CSU
Hours: 54 hours LEC
In this course, students will explore home-based entrepreneurial business opportunities in the virtual environment. Techniques and technologies needed by virtual entrepreneurs will be explored. Each student will conduct market research, develop and write a formal business plan that includes financial planning and a marketing strategy, and create a unique real or simulated home-based virtual business. The business plan will be approximately 20 single-spaced pages not including appendices. Students will prepare and present face-to-face oral presentations using a presentation graphics program in which they showcase their home-based virtual businesses to the class. This course was formerly BUSTEC 350.

BUSTEC 499 Experimental Offering in Business Technology **.5-4 Units**

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offerings
See Experimental Offerings

Management (MGMT)

MGMT 295 Independent Studies in Management **1-3 Units**

Prerequisite: None.
Hours: 54 hours LEC
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 **5-4 Units .**

Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings.

MGMT 304 Introduction to Management Functions **3 Units**

Prerequisite: None.
Advisory: ENGWR 101, ESLW 340, or BUS 100 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This is a basic course in management introducing a variety of modern management concepts. This course includes the basic 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 306 Introduction to Public Administration **3 Units**

Prerequisite: None.
Advisory: ENGWR 101, ESLW 340, or BUS 100 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This is a study of the fundamental principles of administration and their application to governmental and public sector operations. It acquaints students with the politics of administration, administrative responsibility, the management activities of planning, organizing, directing and controlling, and program implementation as they pertain to public sector organizations. Administration at the state and local government level, as well as in other public sector operations such as hospitals, schools, and the military is included.

MGMT 308 Personnel and Human Resources Management **3 Units**

Prerequisite: None.
Advisory: ENGWR 101, ESLW 340, or BUS 100 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course is an introduction to the study and analysis of personnel and human resource management. It covers essential topics such as managing human resources in a globalized environment, employee retention, training, evaluation and compensation, and labor laws. This course provides an overview that is helpful for selecting a specific career in the field of business or management.

MGMT 309 Introduction to Supervision **3 Units**

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 **3 Units**

Prerequisite: None.
Advisory: BUS 100, ENGWR 101 or ESLW 340 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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.

MGMT 499 Experimental Offering in Management .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offerings.

Marketing (MKT)

MKT 300 Principles of Marketing 3 Units

Prerequisite: None.
Advisory: BUS 100, ENGWR 101, or ESLW 340 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This course will examine and present the qualifications necessary to achieve success in professional selling. Emphasis will be 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 will be 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 3 Units

Prerequisite: None.
Advisory: BUS 100, ENGWR 101, or ESLW 340 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This course examines advertising as a marketing communications tool. Emphasis will be placed on consumer behavior, creative methods, media selection, measurements of effectiveness, and coordination with other aspects of the marketing program.

MKT 316 Public Relations 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This course covers the role of public relations in business and marketing. It introduces students to the roles and responsibilities of the public relations professional and the skills needed for success. Students will examine the functions of public relations, including crisis management, issue management, and building and managing the image of an organization and its products and services.

MKT 330 Internet Marketing 3 Units

Prerequisite: None.
Advisory: CISC 305 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course introduces students to the current state of the art in e-business, with an emphasis on the theory and practice of marketing in an electronic environment. Students will learn how to use the personalization and interactivity of the Internet to build strong customer relationships. These concepts will be applied to traditional brick and mortar as well as exclusively online businesses.

MKT 495 Independent Studies in Marketing 1-3 Units

Prerequisite: None.
Enrollment Limitation: Student must obtain approval from an instructor to conduct an independent study with that instructor or instructors.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-4 Units

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.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
This course provides students with opportunities to develop marketable skills in preparation for employment or advancement within their current job. Course content will include 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 a 16 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 four times for credit, when there is new or expanded learning on the job, for a maximum of 16 units.

MKT 499 Experimental Offering in Marketing .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offerings

Real Estate (RE)

RE 300 California Real Estate Principles 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This fundamental real estate course covers the basic laws and principles of California real estate and provides an understanding, background, and the 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 3 Units

Prerequisite: None.
Advisory: RE 300 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course covers operations in real estate: listing, prospecting, advertising, financing, sales techniques, escrow, and ethics. The course applies toward educational requirements for broker's examination.

RE 320 Real Estate Finance 3 Units

Prerequisite: RE 300 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: RE 300 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 broker's examination.

RE 342 Real Estate Appraisal 3 Units

Prerequisite: RE 300 with a grade of "C" or better
Course Transferable to CSU
Hours: 62 hours LEC
This course provides entry-level education in the real estate appraisal field. Concentrating on the appraisal of single-family residences (real property), the course will cover 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 Office of Real Estate Appraisers' (OREA) requirements for Basic Education (60 Hours). This course also applies toward the California Department of Real Estate educational requirements (3 semester units).

RE 344 Advanced Appraisals 3 Units

Prerequisite: RE 342 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
This course covers appraisal of income property. Emphasis is on market and income analysis, capitalization, techniques, rate derivation, compound interest tables, cost and sales comparison, and appraisal of specific income properties. This course applies toward educational requirements for the broker's examination.

RE 350 Real Property Management 3 Units

Prerequisite: RE 300 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 broker's examination.

RE 370 Escrow Procedures 3 Units

Prerequisite: RE 300 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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.

RE 380 Computer Applications in Real Estate 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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. See the Independent Studies section of this catalog.

RE 497 Internship in Real Estate 4 Units

Prerequisite: RE 300 with a grade of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC; 162 hours LAB
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 498 Work Experience in Real Estate 1-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 18 hours LEC; 150 hours LAB
This course provides supervised, structured hands-on experience in a Real Estate sales or Real Estate lender or Real Estate appraiser office for students seeking a career in Real Estate.

RE 499 Experimental Offering in Real Estate .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offerings.

Chemistry CHEM

Degrees:
A.S. – Chemistry
A.S. – Chemical Technology

Certificate of Achievement:
Chemical Technology

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Chemistry

Associate in Science Degree

Program Information
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.

Career Opportunities
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.

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.

Required Program	**Units**
CHEM 400 General Chemistry	5
CHEM 401 General Chemistry	5
CHEM 420 Organic Chemistry (5) and CHEM 421 Organic Chemistry (5)] or CHEM 425 Organic Chemistry with Biological Emphasis (4) and CHEM 426 Organic Chemistry with Biological Emphasis (4)	8-10
Total Units Required	**18-20**

Suggested Electives
MATH 400, 401; PHYS 410, 420, 430; STAT 300

Associate in Science (A.S.) Degree
The Associate in Science 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.

Chemical Technology

Associate in Science Degree
Certificate of Achievement

Program Information
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.

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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051402C02

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.

Required Program	Units
CHEM 400 General Chemistry	5
CHEM 401 General Chemistry	5
CHEM 420 Organic Chemistry (5)	4 – 5
or CHEM 425 Organic Chemistry with Biological Emphasis (4)	
CHEM 421 Organic Chemistry (5)	4 – 5
or CHEM 426 Organic Chemistry with Biological Emphasis (4)	
CHEM 410 Quantitative Analysis	5[1]
A minimum of 3 units from the following:	3[2]
ENGWR 300 College Composition (3)	
ENGWR 301 College Composition and Literature (3)	
ENGWR 302 Advanced Composition and Critical Thinking (3)	
ESLW 340 Advanced Composition (4)	
BUS 310 Business Communications (3)	
ENGWR 482 Honors Advanced Composition and Critical Thinking (3)	
Total Units Required	**26-28**

[1]*Offered in spring only.*

[2]*This corresponds to the General Education Area II English Composition requirement.*

Suggested Electives
CHEM 494, COMM 301, 321, 331, 361; ECON 304; ENGWR 300, 301, 301; ESLW 340; HCD 310; STAT 300, 480; WEXP 498

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Chemistry (CHEM)

NOTE: The University of California has a credit restriction on certain combinations of chemistry courses. See a counselor for detailed information on the current UC Articulation Agreement.

CHEM 110 Preparatory Chemistry 2 Units

Prerequisite: None.
Hours: 36 hours LEC
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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

CHEM 300 Beginning Chemistry 4 Units

Prerequisite: MATH 100 with a grade of "C" or better; or placement through the assessment process.
Advisory: Concurrent enrollment in CHEM 317.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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.

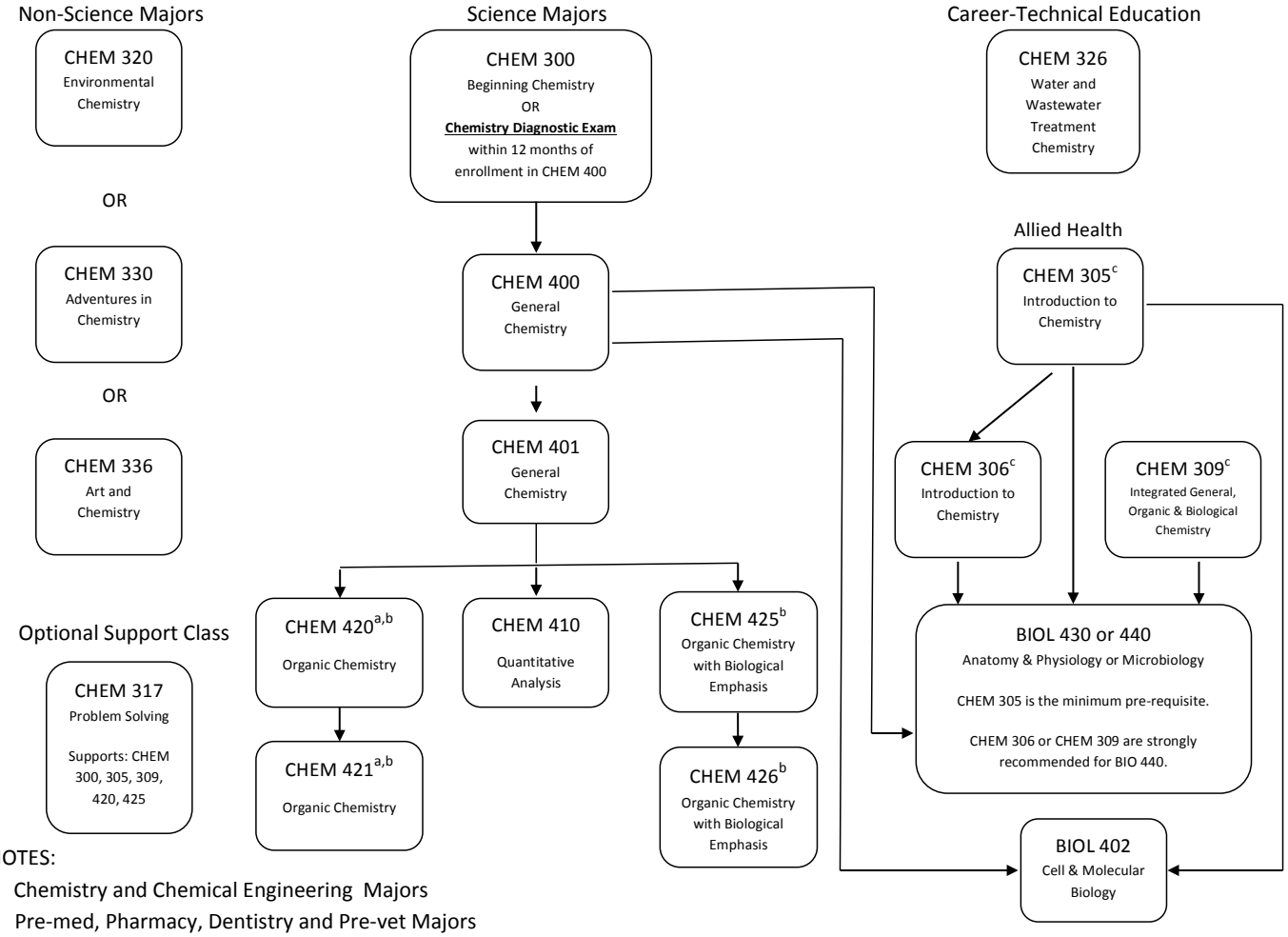
CHEM 305 Introduction to Chemistry 5 Units

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.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 72 hours LEC; 54 hours LAB
This is 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, 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 Chemistry 5 Units

Prerequisite: CHEM 305 with a grade of "C" or better
Advisory: ENGWR 101 with a grade of C or better and concurrent enrollment of CHEM 317
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 72 hours LEC; 54 hours LAB
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.

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.

CHEM 309 Integrated General, Organic, and Biological Chemistry 5 Units

Prerequisite: MATH 100 or 104 with a grade of "C" or better; or placement through the assessment process.
Advisory: Concurrent enrollment in CHEM 317
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C
Course Transferable to UC/CSU
Hours: 72 hours LEC; 54 hours LAB
This course is an intensive survey of general, organic, and biological chemistry specifically designed for nursing majors and other 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 semester of chemistry. Students who had chemistry in high school and retained some of it are advised to take CHEM 309. Students who have not taken a chemistry course recently or have never taken a chemistry course are advised to take the CHEM 305 and CHEM 306 sequence.

CHEM 317 Strategies for Problem Solving in Chemistry 1 Unit

Prerequisite: None.
Corequisite: CHEM 300, 305, 306, 309, 420, 421, 425, or 426
Course Transferable to CSU
Hours: 18 hours LEC
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 4 Units

Prerequisite: None.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 330 Adventures in Chemistry 4 Units

Prerequisite: None.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 336 Art and Chemistry 4 Units

Prerequisite: None.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 5 Units

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.
Advisory: 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.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 72 hours LAB ; 18 hours DIS
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. (C-ID CHEM 110)

CHEM 401 General Chemistry 5 Units

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
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 72 hours LAB ; 18 hours DIS
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. One hour per week will be devoted to a discussion/problem solving session. 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. (C-ID CHEM 120S – CHEM 400 + 401)

CHEM 410 Quantitative Analysis 5 Units

Prerequisite: CHEM 401 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 108 hours LAB
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 5 Units

Prerequisite: CHEM 401 with a grade of "C" or better.
Advisory: Concurrent enrollment in CHEM 317.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 108 hours LAB
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. (C-ID CHEM 150)

CHEM 421 Organic Chemistry 5 Units

Prerequisite: CHEM 420 with a grade of "C" or better
Advisory: CHEM 317 with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 108 hours LAB
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. (C-ID CHEM 160S)

CHEM 425 Organic Chemistry with Biological Emphasis 4 Units

Prerequisite: CHEM 401 with a grade of "C" or better
Advisory: With concurrent enrollment in CHEM 317.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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. Lecture topics include the preparation, properties, and reactions of alkanes, alkenes, alkynes, alkyl halides, alcohols, radical chemistry, and ethers with emphasis on applications in the biological sciences. Also included is the study of stereoisomerism, nuclear magnetic resonance spectroscopy, and infrared spectroscopy. Laboratory work covers standard laboratory practices including extraction, crystallization, chromatography (gas, thin layer, and column), polarimetry, organic synthesis, reaction analysis, and Fourier Transform Attenuated Total Reflectance spectroscopy (ATR-IR) with emphasis on biological applications.

CHEM 426 Organic Chemistry with Biological Emphasis 4 Units

Prerequisite: CHEM 420 and 425 with grades of "C" or better
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
This course, a continuation of CHEM 425, focuses on the preparation, properties, reactions, spectroscopy (IR, C-13 NMR, 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 and proteins) and the organic chemistry of metabolic pathways are also presented. Laboratory work includes qualitative analysis, multi-step organic synthesis, analytical use of instrumentation (ATR-FTIR, GC, and GC-MS), natural product extraction, and instrumental characterization of compounds extracted.

CHEM 484 Advanced General Chemistry – Honors 1 Unit

Prerequisite: CHEM 400 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3
Enrollment Limitation: Eligibility for the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LAB
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. One field trip is required for this course.

CHEM 494 Topics in Chemistry .5-3 Units

Prerequisite: Determined by topic
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
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. See Experimental Offerings.

Communication COMM

Degrees:
A.A. – Communication
AA-T – Communication Studies for Transfer

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

Communication

Associate in Arts Degree

Program Information
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/drama, impromptu speaking, and reader's theater. This program enhances the college experience and polishes the skills that employers actively request.

Career Opportunities
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.

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.
- identify and demonstrate effective and appropriate written and/or oral communication skills, both verbal and nonverbal, across diverse contexts.
- identify and demonstrate ethical communication across a variety of contexts.
- perform as an active listener and provide appropriate feedback.

Required Program	**Units**
COMM 301 Introduction to Public Speaking	3
A minimum of 6 units from the following:	6
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
COMM 311 Argumentation and Debate (3)	
COMM 321 Interpersonal Communication (3)	
COMM 325 Intercultural Communication (3)	
COMM 331 Group Discussion (3)	
COMM 351 Mass Media and Society (3)	
or ENGWR 384 Mass Media and Society (3)	
or JOUR 310 Mass Media and Society (3)	
COMM 374 Forensics Laboratory (1 – 3)	
A minimum of 3 units from the following:	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)	
COMM 351 Mass Media and Society (3)	
or ENGWR 384 Mass Media and Society (3)	
or JOUR 310 Mass Media and Society (3)	
COMM 361 The Communication Experience (3)	
COMM 374 Forensics Laboratory (1 – 3)	
Total Units Required	**18**

Suggested Electives
COMM 305, 316, 335, 361

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

Communication Studies

Associate in Arts for Transfer

Program Information
The Communication Department offers a variety of courses designed to meet students' needs for graduation, transfer, and personal and professional development.

This degree is designed for students who plan to transfer to a California State University (CSU). Completion of the CSU General-Breadth Requirements or IGETC general education pattern is required. It is highly recommended that students meet with a counselor because major requirements vary for each CSU campus.

Students earning the Associate in Arts in Communication Studies for Transfer degree will be able to understand and apply human communication concepts relating to presentational speaking, critical thinking, group and interpersonal relationship development, and professional growth.

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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

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/drama, impromptu speaking, and reader's theater. This program enhances the college experience and polishes the skills that employers actively request.

Career Opportunities
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.

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.
- identify and demonstrate effective and appropriate written and/or oral communication skills, both verbal and nonverbal, across diverse contexts.
- identify and demonstrate ethical communication across a variety of contexts.
- perform as an active listener and provide appropriate feedback.

Required Program

COMM 301 Introduction to Public Speaking 3

A minimum of 6 units from the following:..... 6
- 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
- COMM 311 Argumentation and Debate (3)
- COMM 321 Interpersonal Communication (3)
- COMM 325 Intercultural Communication (3)
- COMM 331 Group Discussion (3)
- COMM 351 Mass Media and Society (3)
  - or ENGWR 384 Mass Media and Society (3)
  - or JOUR 310 Mass Media and Society (3)
- COMM 374 Forensics Laboratory (1 – 3)

A minimum of 3 units from the following: 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)
- COMM 351 Mass Media and Society (3)
  - or ENGWR 384 Mass Media and Society (3)
  - or JOUR 310 Mass Media and Society (3)
- COMM 361 The Communication Experience (3)
- COMM 374 Forensics Laboratory (1 – 3)

Total Units Required **18**

Associate in Arts for Transfer Degree
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.

Communication (COMM)

COMM 270 Communication Laboratory .5-3 Units

Prerequisite: None.
Corequisite: Concurrent enrollment in at least one Communication course.
Hours: 162 hours LAB
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 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement into ENGWR 300 through the assessment process
Advisory: ENGWR 300 and LIBR 318 with a grade of C or better, and concurrent enrollment in COMM 270.
General Education: AA/AS Area II(b); CSU Area A1; IGETC Area 1C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. 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. (C-ID COMM 110)

COMM 305 Oral Interpretation 3 Units

Prerequisite: None.
Advisory: COMM 301, ENGRD 310, and ENGWR 301 with grades of "C" or better
General Education: CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID COMM 170)

COMM 311 Argumentation and Debate 3 Units

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.
General Education: CSU Area A1; CSU Area A3; IGETC Area 1C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID COMM 120)

COMM 315 Persuasion 3 Units

Prerequisite: ENGWR 300 or ESLW 340 with a grade of "C" or better
Advisory: Completion of LIBR 320 with a grade of "C" or better
General Education: CSU Area A3
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 300 or ESLW 340 with a grade of "C" or better
Advisory: Completion of LIBR 320 with a grade of "C" or better
General Education: CSU Area A3; IGETC Area 1B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 its relation to both written and spoken communication. Students will develop the ability to analyze, criticize, and advocate 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 through both written and oral assignments. Students will write a minimum of 6,500 words.

COMM 321 Interpersonal Communication 3 Units

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.
General Education: AA/AS Area III(b); CSU Area D7; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 personal communication effectiveness through heightened awareness and greater skill as both a sender and receiver of shared messages. (C-ID COMM 130)

COMM 325 Intercultural Communication 3 Units

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.
General Education: AA/AS Area VI; CSU Area D3; CSU Area D7; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID COMM 150)

COMM 331 Group Discussion 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement into ENGWR 300 through the assessment process
Advisory: ENGWR 300 and LIBR 318 with a grade of "C" or better, and concurrent enrollment in COMM 270.
General Education: AA/AS Area II(b); CSU Area A1; IGETC Area 1C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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). 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. (C-ID COMM 140)

COMM 335 Conflict Management 3 Units

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.
General Education: CSU Area D7
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

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.
General Education: AA/AS Area V(b); AA/AS Area II(b); CSU Area D7
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Same As: ENGWR 384 and JOUR 310
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.
General Education: AA/AS Area V(b); CSU Area D4; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.) (C-ID JOUR 100)

COMM 361 The Communication Experience 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement into ENGWR 300 through the assessment process
Advisory: ENGWR 300 and LIBR 318 with a grade of C or better, and concurrent enrollment in COMM 270.
General Education: AA/AS Area II(b); CSU Area A1; IGETC Area 1C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 individual and group oral presentations. Each student will complete a minimum of twenty-two minutes of evaluated speaking time through oral presentations. 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 1-3 Units

Prerequisite: None.
Advisory: COMM 301 or COMM 311 with grades of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC; 108 hours LAB
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. (C-ID COMM 160B)

COMM 494 Topics in Communication .5-4 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
This is an experimental course offering designed to provide students with courses not normally offered by the Communication department. Course topics will be structured around new and emerging issues related to the field of Communication. 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.

Michael Poindexter, Vice President of Student Services
Rodda Hall North 272
916-558-2141

Community Leadership Development (COMDE)

COMDE 300 Leadership Skills Development 3 Units

Prerequisite: None.
Advisory: COMM 301 or COMM 361 with a grade of "C" or better and ENGWR 101 or ESLW 310 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offerings

Community Studies
(Emphasis on Direct Services)

Degree:
A.A. – Community Studies (Emphasis on Direct Services)

Certificate of Achievement:
Community Studies (Emphasis on Direct Services)

Department of Sociology
Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Community Studies
(Emphasis on Direct Services)

Associate in Arts Degree
Certificate of Achievement

Program Information
The degree and certificate in Community Studies (emphasis in Direct Services) are applied sociology programs. Sociological theory and perspectives provide the foundation for students to work as paraprofessionals at the assistant level, under the supervision of workers with professional degrees. Students may perform a variety of entry level, social service organization functions including resource development and referral, client screening, assessments, consultation, reports, and record keeping.

Career Opportunities
The certificate in Community Studies (emphasis in Direct Services) is designed to prepare students to work in entry-level employment in public, private, and nonprofit community service organizations. Students have an opportunity to develop self-awareness and career goals through courses in Introduction to Social Services and the Sociology Practicum.

Students obtaining the Certificate in Community Studies will be eligible for entry-level jobs that do not require the A.A. degree in human services.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051238C01

Upon completion of this program, the student will be able to:
- evaluate the history of the helping professions and the evolution of services and social policy over time.
- analyze social service organizational structure, its functions, and its application to social service programs and delivery systems.
- demonstrate an understanding of the social services worker as a paraprofessional and the various roles that the social service worker assumes in the community.
- compare and choose core helping interventions for work at the paraprofessional level.
- determine and develop community resources used in assisting clients.
- integrate personal sensitivity and awareness of the cultural diversity of clients, helping professionals, and communities.
- judge and apply knowledge of existing professional codes of ethics and laws for the helping professions.

Required Program	**Units**
SOC 321 Race, Ethnicity and Inequality in the United States	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: SOC 385 Practicum in Sociology (1-4)	3
A minimum of 9 units from the following: ADMJ 304 Juvenile Delinquency (3) ADMJ 340 Introduction to Correctional Services (3) BUS 320 Concepts in Personal Finance (3) SOC 300 Introductory Sociology (3) SOC 301 Social Problems (3) PSYC 390 Psychology of Death and Dying (3) PSYC 370 Human Development: A Life Span (3) or FCS 324 Human Development: A Life Span (3) PSYC 405 Substance Abuse: Effects on Body and Behavior (3) or ADMJ 303 Substance Abuse: Effects on Body and Behavior (3) SOC 310 Marriage and the Family (3) or FCS 320 Marriage and the Family (3) SOC 335 Sociology of Aging (3) or GERON 300 Sociology of Aging (3) SOC 375 Introduction to Community Development (3) COMM 325 Intercultural Communication (3)	9
Total Units Required	**21**

Suggested Electives
PSYC 320, PSYC 340, SOC 343

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Computer Information Science CISA, CISC, CISN, CISP, CISS, CISW

Degrees:
- **A.S. – Computer Science**
- **A.S. – Information Processing**
- **A.S. – Information Systems Security**
- **A.S. – Management Information Science**
- **A.S. – Network Administration**
- **A.S. – Network Design**
- **A.S. – Web Developer**

Certificates of Achievement:
- **Advanced CISCO Networking**
- **Computer Science**
- **Information Processing Specialist**
- **Information Processing Technician**
- **Information Systems Security**
- **Management Information Science**
- **Network Administration**
- **Network Design**
- **PC Support**
- **Programming**
- **Web Developer**
- **Webmaster, Level 1**
- **Webmaster, Level 2**
- **Word Processing Technician**

Division of Business and Computer Information Science
Deborah Saks, Dean
Business Building 213
916-558-2581

Advanced CISCO Networking

Certificate of Achievement

Program Information
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.

Career Opportunities
Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists. According to the Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow a phenomenal 53.4% annually and will continue to exceed the number of available and trained workers.

Upon completion of this program, the student will be able to:
- develop best practices for configuring scalable IP addresses.
- construct and configure complex access control lists.
- design and test edge router connectivity into a BGP network.
- evaluate and implement advanced multilayer switching configuration.

Required Program	Units
CISN 350 CISCO Networking Academy (CCNP)tm Advanced Router Configuration	3
CISN 351 CISCO Networking Academy (CCNP)tm Remote Access (3)	3
or CISN 336 Wireless Technologies (3)	
CISN 352 CISCO Networking Academy (CCNP)tm Multi-Layer Switching	3
CISN 353 CISCO Networking Academy (CCNP)tm Internetwork Troubleshooting	3
CISN 342 CISCO Networking Academy (CCNA)tm Advanced Routing and Switching	3
CISN 343 CISCO Networking Academy (CCNA)tm Wide Area Network and Project-Based	3
Total Units Required	**18**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required courses with grades of "C" or better.

Computer Science

Associate in Science Degree
Certificate of Achievement

Program Information
The Computer Information Science program is designed for students preparing for careers in computer programming and systems analysis. It provides a foundation in currently used and advanced programming languages, databases and operating systems.

Career Opportunities
Technical positions include: computer operator, computer programmer, systems analyst, database administrator, computer support or help desk specialist, Web developer, and application developer.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051064C01

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 California State University, Sacramento should include computer-programming languages in C++, Java, or Visual BASIC, assembly language, data structures, discrete structures, one year of analytical geometry and calculus, and physics. Students must also meet university admission requirements and other general education courses as outlined by each university. Consultation with an SCC counselor is advised.

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 or 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 scripts.
- create programs utilizing different programming environments.

Required Program	Units
CISC 310 Introduction to Computer Information Science	3
CISP 301 Algorithm Design and Implementation	4
CISC 323 Linux Operating System	1
CISC 324 Intermediate Linux Operating System	1
CISP 360 Introduction to Structured Programming	4
CISA 323 Database Management using Microsoft Access	2
CISA 324 Database Management using SQL	2
CISP 310 Assembly Language Programming for Microcomputers	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 Computer Systems Analysis and Project Management	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 350 Database Programming (3)	
CISP 370 Beginning Visual Basic (4)	
CISP 401 Object Oriented Programming with Java (4)	
CISP 440 Discrete Structures for Computer Science (3)	
CISP 452 Introduction to Systems Programming (3)	
CISS 300 Introduction to Information Systems Security (1)	
CISS 301 Ethical Hacking (2)	
CISS 310 Network Security Fundamentals (3)	
CISW 320 Introduction to Web Site Development (3)	
CISW 325 Intermediate Web Site Development (4)	
CISW 410 Middleware Web Scripting (4)	
Total Units Required	**38**

Suggested Electives
BUS 100, 300, 330; ENGWR 300, ESLW 340, MATH 400, 401, 420; MGMT 306, PHIL 310, PHYS 410, 420; STAT 300, 480

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Information Processing
Associate in Science Degree

Program Information
This degree combines microcomputer software proficiencies and competencies in hardware support, maintenance, and repair with general education requirements. Students will be able to incorporate three inter-related certificates (Word Processing Technician, Information Processing Technician, and Information Processing Specialist) as major fields of study with course work in natural science, social science, humanities, languages and rationality, and living skills to earn an Associate in Science degree in Information Processing.

Career Opportunities
Students who have obtained certificates (Word Processing Technician, 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

Such positions include: office supervisors, office managers, computer support specialists, and information processing specialists. Based on Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow approximately 11.0% and will continue to exceed the number of available and trained workers.

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 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.

Required Program	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 306 Introduction to Web Page Creation (1)	1
CISC 310 Introduction to Computer Information Science (3)	3
CISC 320 Operating Systems	1
CISC 351 Introduction to Local Area Networks (1)	1 - 3
or CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3)	
CISS 300 Introduction to Information Systems Security (1)	1 - 2
or CISS 301 Ethical Hacking (2)	
CISC 360 Microcomputer Support and Maintenance	4
A minimum of 2 units from the following:	2
CISC 498 Work Experience in Computer Information Science - Core (1 - 4)	
Total Units Required	**24 – 27**

Suggested Electives
BUS 310, CISC 324, 351; CISS 300

Associate in Science (A.S.) Degree
The Associate in Science Degree in Information Processing 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.

Information Processing Specialist
Certificate of Achievement

Program Information
This certificate builds upon a previous background in the use of microcomputer application programs. 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 and database management, this certificate also provides the student with hands-on training in hardware support and maintenance.

Career Opportunities
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.

Such positions include: secretaries, office workers, first line supervisors, administrative analysts, information resource personnel, or lead administrative specialists. Based on Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow approximately 11.0% annually and will continue to exceed the number of available and trained workers.

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.
- demonstrate understanding of basic hardware components and the 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.

Required Program	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 306 Introduction to Web Page Creation (1)	1
CISC 310 Introduction to Computer Information Science (3)	3
CISC 320 Operating Systems	1
CISC 351 Introduction to Local Area Networks (1)	1 - 3
or CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3)	
CISC 360 Microcomputer Support and Maintenance	4
CISS 300 Introduction to Information Systems Security (1)	1 - 2
or CISS 301 Ethical Hacking (2)	
A minimum of 2 units from the following:	2
CISC 498 Work Experience in Computer Information Science - Core (1 - 4)	
Total Units Required	**24 – 27**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Information Processing Technician

Certificate of Achievement

Program Information
This information processing technician certificate builds upon previous training in the use of word processing programs. As employees become more proficient with basic entry-level skills in word processing, advancement in the work place requires competencies in other microcomputer software programs. These include skills in the operating system, spreadsheet, database management, graphics, and the use of the Internet.

This certificate is designed for students interested in job advancement requiring additional computer skills.

Career Opportunities
Students who are currently employed in entry-level office-related jobs (many of which require word processing skills) are interested in opportunities for advancement. These positions usually require competencies in additional microcomputer applications courses in the Windows operating system, spreadsheet, database management, graphic presentations, and the use of the Internet.

Such positions include: health information technicians, customer or client service representatives, and customer support specialists. Based on Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow an average of 11.4% annually and will continue to exceed the number of available and trained workers.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051462C01

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.

Required Program	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)	2
CISA 324 Database Management using SQL (2)	2
or CISA 316 Intermediate Electronic Spreadsheets (2)	
CISA 340 Presentation Graphics	2
CISC 305 Introduction to the Internet	1
CISC 306 Introduction to Web Page Creation (1)	1
CISC 310 Introduction to Computer Information Science (3)	3
CISC 320 Operating Systems	1
A minimum of 2 units from the following:	2
CISC 498 Work Experience in Computer Information Science - Core (1 - 4)	
Total Units Required	**20**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Information Systems Security

Associate in Science Degree

Program Information
Information systems security has become a critical knowledge area for those interested in a career as an information technology professional. This degree provides the information and skills necessary for network administration professionals to implement security from internal and external threats for an enterprise network. It covers client and server security on different operating systems, disaster recovery planning, and forensics. This program also provides preparation for several computer information security certification exams, including the Computer Technology Industry Association (CompTIA) Security+ exam, Microsoft Certified Systems Engineer (MCSE) exams, and several of the Certified Information Systems Security Professional (CISSP) certification exams.

Career Opportunities
Networking/security skills and experience are needed for technical support staff, administrators, designers, troubleshooters, and information systems security specialists. According to the Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow a phenomenal 37.1% annually, and will continue to exceed the number of available and trained workers.

Upon completion of this program, the student will be able to:
- develop best practices for configuring network operating system services to provide optimum security.
- compare and contrast the benefits of firewalls vs. intrusion detection devices and software.
- analyze organizational needs and implement internal security policies for the enterprise.
- 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.
- 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.
- construct and apply group policies and file system permissions to secure files and network resources.

Required Program	Units
CISC 320 Operating Systems (1)	1
or CISC 323 Linux Operating System (1)	
CISN 300 Network Systems Administration (3)	3
or CISN 303 Network Administration - Linux Server (3)	
CISN 302 Intermediate Network Systems Administration (3)	3
CISS 300 Introduction to Information Systems Security	1
CISS 310 Network Security Fundamentals	3
CISS 320 Implementing Network Security and Counter Measures	3
CISS 330 Implementing Internet Security and Firewalls	3
CISS 341 Implementing Windows Operating System Security (3)	3
or CISS 342 Implementing Linux Operating System Security (3)	
CISS 350 Disaster Recovery	3
CISS 360 Computer Forensics and Investigation	3
A minimum of 3 units from the following:	3
CISC 310 Introduction to Computer Information Science (3)	
CISC 355 Introduction to Data Communications (1.5)	
CISC 351 Introduction to Local Area Networks (1)	
CISC 360 Microcomputer Support and Maintenance (4)	
CISN 308 Internetworking with TCP/IP (3)	
CISN 374 Messaging Server Administration (3)	
CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3)	
CISC 324 Intermediate Linux Operating System (1)	
CISS 301 Ethical Hacking (2)	
CISN 315 Advanced Network Administration (2)	
CISN 303 Network Administration - Linux Server (3)	
CISN 341 CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies (3)	
Total Units Required	**29**

Suggested Electives
BUS 310, ENGWR 300, ESLW 340

Associate in Science (A.S.) Degree
The Associate in Science 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.

Information Systems Security

Certificate of Achievement

Program Information
Information systems security has become a critical knowledge area for those interested in a career as an information technology professional. This degree provides the information and skills necessary for network administration professionals to implement security from internal and external threats for an enterprise network. It covers client and server security on different operating systems, disaster recovery planning, and forensics. This program also provides preparation for several computer information security certification exams, including the Computer Technology Industry Association (CompTIA) Security+ exam, Microsoft Certified Systems Engineer (MCSE) exams, and several of the Certified Information Systems Security Professional (CISSP) certification exams.

Career Opportunities
Networking/security skills and experience are needed for technical support staff, administrators, designers, troubleshooters, and information systems security specialists. According to the Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow a phenomenal 37.1% annually, and will continue to exceed the number of available and trained workers.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051535C01

Upon completion of this program, the student will be able to:
- define best practices for configuring network operating system services to provide optimum security.
- analyze organizational needs and implement internal security policies for the enterprise.
- evaluate and implement the required security programs and policies to protect the enterprise against viruses, trojans, worms, rootkits, and spyware.
- compare and contrast the benefits of firewalls vs. intrusion detection devices and software.
- construct file system permissions and share permissions to allow only the minimum levels of access needed by users to use network resources.

Required Program	Units
CISC 320 Operating Systems (1)	1
or CISC 323 Linux Operating System (1)	
CISN 300 Network Systems Administration (3)	3
or CISN 303 Network Administration – Linux Server (3)	
or CISN 304 Networking Technologies (3)	
CISS 310 Network Security Fundamentals	3
CISS 320 Implementing Network Security and Counter Measures	3
CISS 330 Implementing Internet Security and Firewalls	3
CISS 341 Implementing Windows Operating System Security (3)	3
or CISS 342 Implementing Linux Operating System Security (3)	
A minimum of 6 units from the following:	6
CISS 300 Introduction to Information Systems Security (1)	
CISS 301 Ethical Hacking (2)	
CISS 341 CISCO Networking Academy (CCNA)tm Networking Theory and Routing Technologies (3)	
CISS 350 Disaster Recovery (3)	
CISS 360 Computer Forensics and Investigation (3)	
Total Units Required	**22**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Management Information Science

Associate in Science Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
Computer skills and experience are needed for technical support staff, end-user consultants, network administrators, database specialists, information systems managers/specialists, programmers/analysts, software specialists, systems analysts, technical writers, information systems security specialists and webmasters. According to the Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow 22.9% annually and will continue to exceed the number of available and trained workers.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051067C01

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 a SCC counselor to select and plan courses for your major. Schools vary widely in terms of the required preparation.

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.

Required Program	**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)	4
or CISP 370 Beginning Visual Basic (4)	
A minimum of 4 units from the following:	4
CISP 370 Beginning Visual Basic (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)	
CISA 324 Database Management using SQL (2)	
CISC 306 Introduction to Web Page Creation (1)	
CISC 321 Intermediate Operating Systems (1)	
CISC 324 Intermediate Linux Operating System (1)	
CISC 355 Introduction to Data Communications (1.5)	
CISC 360 Microcomputer Support and Maintenance (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 370 Beginning Visual Basic (4)	
CISP 400 Object Oriented Programming with C++ (4)	
CISP 401 Object Oriented Programming with Java (4)	
CISP 430 Data Structures (4)	
CISP 440 Discrete Structures for Computer Science (3)	
CISP 452 Introduction to Systems Programming (3)	
CISP 457 Computer Systems Analysis and Project Management (3)	
CISS 300 Introduction to Information Systems Security (1)	
CISS 301 Ethical Hacking (2)	
CISS 310 Network Security Fundamentals (3)	
CISW 320 Introduction to Web Site Development (3)	
CISW 325 Intermediate Web Site Development (4)	
CISW 400 Client-side Web Scripting (4)	
CISW 410 Middleware Web Scripting (4)	
Total Units Required	**35**

Other Electives
ACCT 301, 311; BUS 310, ECON 302, 304; ENGWR 300, 480; MATH 120, 400, 401; MGMT 306; STAT 300, 480

Associate in Science (A.S.) Degree
The Associate in Science Degree in Management Information Science may be obtained by completion of the required program, plus sufficient general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Network Administration

Associate in Science Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists. According to the Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow a phenomenal 53.4% annually and will continue to exceed the number of available and trained workers.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051272C01

Upon completion of this program, the student will be able to:
- demonstrate competency in Windows operating system terminology and commands, account management, and 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, or 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.

Required Program	Units
CISC 320 Operating Systems (1)	1
or CISC 323 Linux Operating System (1)	
CISN 300 Network Systems Administration (3)	3
CISN 302 Intermediate Network Systems Administration	3
CISN 306 Advanced Network Systems Administration (3)	3
CISN 307 Windows Active Directory Services	3
CISN 308 Internetworking with TCP/IP	3
CISS 300 Introduction to Information Systems Security (1)	1 - 2
or CISS 301 Ethical Hacking (2)	
A minimum of 10 units from the following:	10
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 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3)	
CISN 341 CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies (3)	
CISN 346 Network Design and Projects (3.5)	
CISN 303 Network Administration - Linux Server (3)	
CISN 304 Networking Technologies (3)	
CISN 315 Advanced Network Administration (2)	
CISN 320 Designing Windows Directory Services (3)	
CISN 374 Messaging Server Administration (3)	
CISS 301 Ethical Hacking (2)	
CISS 310 Network Security Fundamentals (3)	
CISS 320 Implementing Network Security and Counter Measures (3)	
CISS 330 Implementing Internet Security and Firewalls (3)	
CISS 360 Computer Forensics and Investigation (3)	
CISS 350 Disaster Recovery (3)	
Total Units Required	**27 – 28**

Suggested Electives
BUS 310, ENGWR 300, ESLW 340, STAT 480

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Network Design

Associate in Science Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists. According to the Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow a phenomenal 53.4% annually and will continue to exceed the number of available and trained workers.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051422C01

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

Required Program	Units
CISC 320 Operating Systems (1)	1
or CISC 323 Linux Operating System (1)	
CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking	3
CISN 341 CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3
CISN 342 CISCO Networking Academy (CCNA)tm: Advanced Routing and Switching	3
CISN 343 CISCO Networking Academy (CCNA)tm: Wide Area Network and Project-Based	3
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
CISC 310 Introduction to Computer Information Science (3)	
CISS 320 Implementing Network Security and Counter Measures (3)	
CISN 300 Network Systems Administration (3)	
CISN 303 Network Administration - Linux Server (3)	
CISN 304 Networking Technologies (3)	
Total Units Required	**31.5**

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

PC Support

Certificate of Achievement

Program Information
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 the networks that they utilize. 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.

Career Opportunities
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. According to the Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow 22.9% annually and will continue to exceed the number of available and trained workers.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051325C01

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.

Required Program	Units
BUS 310 Business Communications (3)	3 - 4
or ENGWR 300 College Composition (3)	
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 306 Introduction to Web Page Creation (1)	1 - 3
or CISW 320 Introduction to Web Site Development (3)	
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
CISC 360 Microcomputer Support and Maintenance	4
CISS 300 Introduction to Information Systems Security (1)	1 - 2
or CISS 301 Ethical Hacking (2)	
Total Units Required	**24.5 – 28.5**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Programming

Certificate of Achievement

Program Information
The programming certificate provides the basic proficiencies required of computer programmers for entry-level software technician positions or further study in Computer Science.

Career Opportunities
Although programmer and programmer-analyst opportunities will decrease by approximately 3% by 2018, other programming-related positions will increase. According to the Bureau of Labor Statistics (2008-2018) figures, demand for software designers, systems analysts, database administrators and software testers will grow 34% annually and will continue to exceed the number of available and trained workers.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051326C01

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.

Required Program	Unit
BUS 310 Business Communications (3)	3
or ENGWR 300 College Composition (3)	
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 Computer Systems Analysis and Project Management	3
Total Units Required	**22**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Web Developer

Associate in Science Degree
Certificate of Achievement

Program Information
Web Developers are proficient at creating Web site structure and interactivity. The Web Developer degree requires students to use database tools and custom applications to design, code, and test interactive Web sites. There is emphasis on learning the programming and scripting languages that connect a database to a Web site.

Career Opportunities
This Web Developer Degree prepares students to become Web Developer, Webmaster, Systems Analyst, Web Systems Analyst, IT Analyst, ICT Analyst, Web Database Administrator, Back-end Developer, Web Programmer.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051591C01

Upon completion of this program, the student will be able to:
- manage a multi-level Web site hosted on a Web server.
- utilize multiple programs simultaneously in order to develop Web sites.
- recommend a Web scripting language, current markup language or Web authoring software, and cascading style sheets to develop complex Web sites that are uploaded via File Transfer Protocol (FTP) to a Web server.
- research and implement current, valid World Wide Web Consortium (W3C) standards including technical recommendations for markup languages, the Web Accessibility Initiative (WAI), the Web Mobility Initiative (WMI), and other recommendations as they are introduced.

- plan a structured approach to Web site 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), CGI scripting with Perl, and database-driven Web development.
- demonstrate proficiency in the process of Web project management on a real-world Web site 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 Web site development.
- utilize user experience (UX) and user interface (UI) to enhance customer satisfaction and loyalty by improving the usability, ease of use, and pleasure provided in the interaction between the customer and the product.

Required Program	Units
CISA 323 Database Management using Microsoft Access	2
CISA 324 Database Management using SQL	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
CISP 360 Introduction to Structured Programming	4
CISP 401 Object Oriented Programming with Java	4
CISW 304 Cascading Style Sheets	2
CISW 320 Introduction to Web Site Development	3
CISW 323 Survey of Internet Technologies	4
CISW 370 Designing Accessible Web Sites	1
CISW 400 Client-side Web Scripting	4
CISW 410 Middleware Web Scripting	4
CISW 470 Web Projects	3
GCOM 330 Digital Imaging I	3
GCOM 360 Introduction to Web and Interactive Technologies	3
Total Units Required	**51**

Suggested Electives
BUS 210, 212, 218; CISP 457; PHIL 310

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Webmaster Level 1

Certificate of Achievement

Program Information
Webmasters are proficient at blending the art of Web page coding with the visual arts to create pages that are content rich and visually pleasing. They are skilled with page layout, image creation and manipulation, and Web page scripting. In addition, they administer the Web sites and keep them secure. The Webmaster, Level 1 certificate requires learning to use current markup languages and industry standard software for Web content development and presentation, following the international standards as recommended by the World Wide Web Consortium. This certificate prepares the student for employment as a member of a Web professional team.

Career Opportunities
This certificate prepares student to become a Webmaster, Web Team Member, Information System Analyst, Information Technology Analyst, or Web Designer.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051494C01

Upon completion of this program, the student will be able to:
- apply file management techniques to the management of multi-level Web sites hosted on a Web server.
- utilize multiple programs simultaneously in order to develop Web sites.
- explain the global infrastructure that supports the Internet and the World Wide Web and how communication through the Web is accomplished.
- demonstrate an understanding of the visual design concepts related to designing a Web site for a specific audience using a storyboard and wire frames.
- create optimized graphic and media elements that effectively enhance a Web site without impacting bandwidth.
- utilize markup languages, including XHTML, web authoring software, and cascading style sheets (CSS), to develop multi-level Web sites that are uploaded via File Transfer Protocol. (FTP) to a Web server.
- research and implement current World Wide Web Consortium (W3C) standards including technical recommendations for markup languages, the Web Accessibility Initiative (WAI), the Web Mobility Initiative (WMI), and other recommendations as they are introduced.
- plan a structured approach to Web site 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 and Cascading Style Sheets in order to manipulate interactive objects like navigation bars, forms, rollovers, other event handling, and the control of windows, frames, and layers.
- demonstrate basic skills in form validation and processing, server-side programming with hypertext pre-processor (PHP), CGI scripting with Perl, and database-driven Web development.
- demonstrate proficiency in the process of Web project management on a real-world Web site including design specification, research, production, modification, and presentation.
- explain the history of electronic commerce including the theory and practice of marketing via the World Wide Web.
- demonstrate proficiency in Web business principles including organic and paid search marketing and optimization, Web marketing, business processes, contract negotiations, change orders, and general business planning.
- understand fundamental legal issues as they relate to Web development copyright and privacy policies.
- develop an awareness of Web security issues.

Required Program	Units
CISC 305 Introduction to the Internet	1
CISC 310 Introduction to Computer Information Science	3
CISC 320 Operating Systems	1
CISC 323 Linux Operating System	1
CISW 304 Cascading Style Sheets	2
CISW 320 Introduction to Web Site Development	3
CISW 321 Web Site Development using Dreamweaver	3

CISW 325 Intermediate Web Site Development (4) 4
or CISW 400 Client-side Web Scripting (4)
CISW 370 Designing Accessible Web Sites 1
GCOM 330 Digital Imaging I 3
GCOM 360 Introduction to Web and Interactive Technologies 3
MKT 330 Internet Marketing 3
CISW 470 Web Projects 3

Total Units Required **31**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Webmaster Level 2

Certificate of Achievement

Program Information
Webmasters are practitioners of communication via the World Wide Web who are proficient in the technical aspects of Web site design and development, as well as the implementation and administration of Web servers. The Webmaster Level 2 certificate requires learning standards-based Web site development and basic skills related to servers, routers, security, network management, and systems maintenance. This certificate prepares the student for free-lance or entry-level employment as a Webmaster or Web server administrator.

Career Opportunities
This certificate prepares a student to become Webmaster, Web Team Member, Information System Analyst, Information Technology Analyst, or Web server administrator.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051587C01

Upon completion of this program, the student will be able to:
- apply file management techniques to the management of multi-level Web sites hosted on a Web server.
- explain the global infrastructure that supports the Internet and the World Wide Web and how communication through the Web is accomplished.
- explain the history of electronic communication including the theory and practice of doing business via the World Wide Web.
- utilize markup languages, including XHTML, web authoring software, and cascading style sheets to develop complex Web sites that are uploaded via File Transfer Protocol (FTP) to a Web server.
- research and implement current World Wide Web Consortium (W3C) standards including technical recommendations for markup languages, the Web Accessibility Initiative (WAI), the Web Mobility Initiative (WMI), and other recommendations as they are introduced.
- plan a structured approach to Web site 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.
- demonstrate basic skills in form validation and processing, server-side programming with hypertext pre-processor (PHP), CGI scripting with Perl, and database-driven Web development.
- demonstrate proficiency in the process of Web project management on a real-world Web site including design specification, research, production, modification, and presentation.
- administer a server in a client/server network including managing network security with user and group accounts, creating directory structures and network shares, monitoring and troubleshooting network resources, and establishing policies and procedures for server operations.
- administer a Web server using appropriate protocols for the Internet and intranets including the installation, configuration, management, and tuning of Web servers; WWW and FTP services; security features; on-line transaction processing; and Web site optimization.
- analyze risks to a Web server and implement a workable security policy that protects information assets from potential intrusion, damage, or theft, including countermeasures to deploy to thwart potential attacks.
- install and maintain a firewall to prevent unauthorized access to a Web server, manage secure access to key services while maintaining your organization's security, and implement firewall-to-firewall Virtual Private Networks (VPNs).

Required Program **Units**

CISC 324 Intermediate Linux Operating System 1
CISW 325 Intermediate Web Site Development 4
CISW 400 Client-side Web Scripting 4
CISN 300 Network Systems Administration 3
CISN 303 Network Administration - Linux Server 3
CISN 308 Internetworking with TCP/IP 3
CISS 310 Network Security Fundamentals 3
CISS 320 Implementing Network Security and Counter Measures (3) 3
or CISS 330 Implementing Internet Security and Firewalls (3)

A minimum of 2 units from the following: 2
CISW 498 Work Experience in Web Development (1 - 3)

Total Units Required **26**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Word Processing Technician

Certificate of Achievement

Program Information
This word processing certificate introduces students to microcomputer concepts and skills in the most widely used word processing software package currently used in the United States. This certificate allows students to bring basic computer knowledge and word processing skills to entry level positions. It provides students with electronic documentation of all past and current educational and professional accomplishments and experiences to fit individual job requirements in business companies, private non-profit organizations, government agencies, and legal firms. It also enables students to have direct work experience utilizing word processing software skills.

Career Opportunities
Word processing skills are in high demand by nearly every organization, company, or agency. Entry-level clerical, secretarial, and receptionist positions traditionally use software packages designed for word processing of memos and correspondence, reports, and manuals. With the increased demand for and integration of technology in the work place, the demand for employees competent in manipulating text has evolved to other computer-related office positions. Particularly in the current job market, basic text processing skills are essential. Such positions include: office assistants and clerks, information and records clerks, and correspondence clerks. Based on recent Bureau of Labor Statistics (2008-2018) figures, job demands in these areas will grow an average of 14.4% annually and will continue to exceed the number of available and trained workers.

Additionally, areas such as web site design, accounting or bookkeeping, banking, and supervisory/managerial positions require some skills in text processing as integral parts of the job.

Upon completion of this program, the student will be able to:
- demonstrate competency in basic Windows operating system terminology and commands, file management and storage, and data input.
- demonstrate competency using a word processing software system.
- recognize and identify word processing terminology, styles, libraries, and settings.

- describe and analyze word processing concepts and theories to interpret and operate appropriate applications.
- explain and use all formatting components within presentation quality documents (including all format commands and codes, tables, and different tab and indent settings).
- design and complete presentation quality business materials without the use of the help feature or templates.
- analyze and apply appropriate word processing features (e.g., line and page numbering, headers/footers) to complete typical business reports and documents.
- organize and complete a multi-page business document incorporating advanced document features (e.g., graphics, outlining, macro, and merge).
- identify Internet laws, guidelines, and security and privacy issues and select specific on-the-job applications.
- explain and use asynchronous and synchronous communication tools.

Required Program	**Units**
CISC 310 Introduction to Computer Information Science	3
CISC 305 Introduction to the Internet	1
CISC 320 Operating Systems	1
CISA 305 Beginning Word Processing	2
CISA 306 Intermediate Word Processing	2
CISC 306 Introduction to Web Page Creation	1
A minimum of 2 units from the following:	2
CISC 498 Work Experience in Computer Information Science - Core (1 - 4)	
Total Units Required	**12**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Computer Info Science – Applications (CISA)

CISA 303 Beginning Word Processing — Corel WordPerfect 2 Units

Prerequisite: CISC 300 or 310 with a grade of "C" or better
Advisory: BUSTEC 100.1 or 300.1
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
The course introduces the student, through hands-on operation, to the use of word processing using Corel WordPerfect. The course includes basic word processing operations such as terminology and screen formats, dialog boxes, text enhancements, editing, formatting using code screens, sorting, tables, merging functions, saving and retrieving, and printing text.

CISA 304 Intermediate Word Processing — Corel WordPerfect 2 Units

Prerequisite: CISA 303 with a grade of "C" or better
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
This course builds upon previous training in the use of the Corel WordPerfect program. The course includes a brief review of basic editing and text concepts and different codes 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/job portfolio.

CISA 305 Beginning Word Processing 2 Units

Prerequisite: CISC 300 or 310 with a grade of "C" or better
Advisory: BUSTEC 300.1 or BUSTEC 100.1 with a grade of "C" or better or keyboarding at 28 wpm.
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
The course introduces the student, through hands-on operation, 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 2 Units

Prerequisite: CISA 305 with a grade of "C" or better
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
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/job portfolio.

CISA 308 Exploring Word Processing and Presentation Software 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course introduces word processing and presentation software. The basic features and skills of creating, editing, formatting, inserting tables and graphics into, and enhancing word documents and PowerPoint presentations are covered. This course meets the requirement for MIS 3 at CSUS. This course does not meet the requirements for SCC CIS certificates or degrees.

CISA 310 Introduction to Electronic Spreadsheets 1 Unit

Prerequisite: None.
Advisory: BUSTEC 100.1 or BUSTEC 300.1 with a grade of "C" or better or touch-typing at 28 wpm, and CISC 300 or CISC 310 with a grade of "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course introduces the use of electronic spreadsheet programs. The course includes designing a spreadsheet, developing formulas for automatic calculations, using special functions, developing lists, and producing printed reports. Graphic capabilities are presented.

CISA 311 Intermediate Electronic Spreadsheets 1 Unit

Prerequisite: CISA 310 with a grade of "C" or better
Advisory: BUSTEC 100.1 or BUSTEC 300.1 with a grade of "C" or better or touch-typing at 28 wpm, and CISC 300 and CISC 310 with a grade of "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course covers intermediate and advanced features in electronic spreadsheet software. Topics include using multiple worksheets and workbooks, web tools, scenario management, solver, imported data, the lookup function, and macros.

CISA 315 Introduction to Electronic Spreadsheets 2 Units

Prerequisite: None.
Advisory: BUSTEC 100.1, BUSTEC 300.1, CISC 300, or CISC 310; with a grade of "C" or better.
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
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 2 Units

Prerequisite: CISA 315 with a grade of "C" or better
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
This course introduces students to the intermediate features of spreadsheet programs. The course will cover 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 2 Units

Prerequisite: CISC 300 or 310 with a grade of "C" or better
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
This course introduces database management systems in a single-user environment. Students will learn to use a Windows-based application, including the full development of an original database. 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 Database Management using SQL 2 Units

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
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
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. Using Structured Query Language (SQL) in multiple relational database environments, 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 2 Units

Prerequisite: None.
Advisory: BUSTEC 300.1 or BUSTEC 100.1 or touch typing at 28 wpm, and CISC 300 or CISC 310 with a grade of "C" or better.
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering

CISC 90 Computer Skills for New Users 1 Unit

Prerequisite: None.
Hours: 9 hours LEC; 27 hours LAB
This course introduces the features of the microcomputer to the beginning student. The student will learn how to purchase a computer system, how the computer works, and what computers can do, including a brief overview of Windows operations, word processing, spreadsheets, the use of the Internet, and e-mail. This course does not fulfill the prerequisite requirement for any Computer Information Science course in applications, programming, web page, or networking. This course is non-degree, non-certificate applicable. This course is graded as a Pass/No Pass course only. This course will prepare the student for beginning computer courses.

CISC 110 Using ePortfolios 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
The course covers ePortfolios, which is the electronic equivalent of portfolio applications. It is designed to demonstrate how students can assemble digital content files of any types and structured data forms to build multiple, tailored views of these items and share each of the views with appropriate third parties over the Internet. Students will learn how to use search engines and complete on-line resumes and applications as well as include appropriate work samples, grades and essays, biographical information, in-progress course work, digital media, special versions of different resumes for different jobs, reference letters, transcripts, writing samples, and other work products.

CISC 295 Independent Studies in Computer Information Science - Core 1-3 Units

Prerequisite: None.
Hours: 54 hours LEC
An independent studies project involves an individual student or small group of students in study, research, or activities beyond the regularly offered courses in Computer Information Science.

CISC 299 Experimental Offering in Computer Information Science-Core .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

CISC 300 Computer Familiarization 1 Unit

Prerequisite: None.
Advisory: BUSTEC 300.1 or BUSTEC 100.1 with a grade of "C" or better or touch typing at 28 wpm.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
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 laboratory assignments. This course does not serve as a prerequisite to computer science programming courses, but does serve as a prerequisite/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 1 Unit

Prerequisite: CISA 305, CISC 300, CISC 310, or CISC 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC
This course explains how the Internet works, how to connect to the Internet, and how to use Internet services. Laws that guide the use of the Internet will be covered. Other topics include Internet protocols, e-mail, news groups, discussion lists, connecting to a remote server, file transfer protocol (FTP), World Wide Web (WWW), and emerging technologies.

CISC 306 Introduction to Web Page Creation 1 Unit

Prerequisite: CISC 300 or 310 with a grade of "C" or better
Advisory: CISC 305 with a grade of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course covers the production of Web pages, including formatting, layout, construction, and presentation. A current markup language, such as Extensible HyperText Markup Language (XHTML), is used to format Web pages. Students may also use a Web authoring tool to create Web pages.

CISC 308 Exploring Computer Environments and the Internet 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course acquaints the student with the fundamentals of microcomputer hardware, software, and computer networking, focusing on widely used hardware and operating system, IBM personal computers, and the Windows operating systems. The fundamentals of the Internet and Internet tools are introduced. This course meets the requirement for MIS 1 at CSUS. This course does not meet the requirements for SCC CIS certificates and degrees.

CISC 310 Introduction to Computer Information Science 3 Units

Prerequisite: None.
Advisory: CISC 300 with a grade of "C" or better.
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course examines information systems and their role in business, with 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. (C-ID BUS 140; C-ID ITIS 120)

CISC 320 Operating Systems 1 Unit

Prerequisite: None.
Advisory: CISC 300 or CISC 310 with a grade of "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course introduces the microcomputer operating system. Topics include basic features, file and program management, disk management commands, and menus.

CISC 321 Intermediate Operating Systems 1 Unit

Prerequisite: CISC 320 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
The course covers intermediate and advanced commands, effective utility use, advanced batch files/script files, program logic, disk organization, making user-friendly systems, and anticipating and preventing system problems.

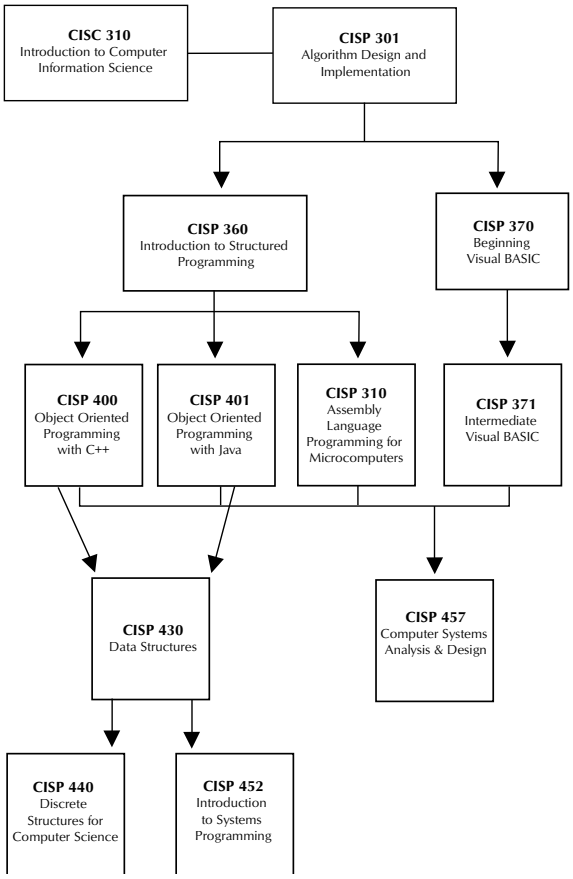
CISC 323 Linux Operating System 1 Unit

Prerequisite: None.
Advisory: CISC 300 with a grade of "C" or better and ability to touch type.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
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.

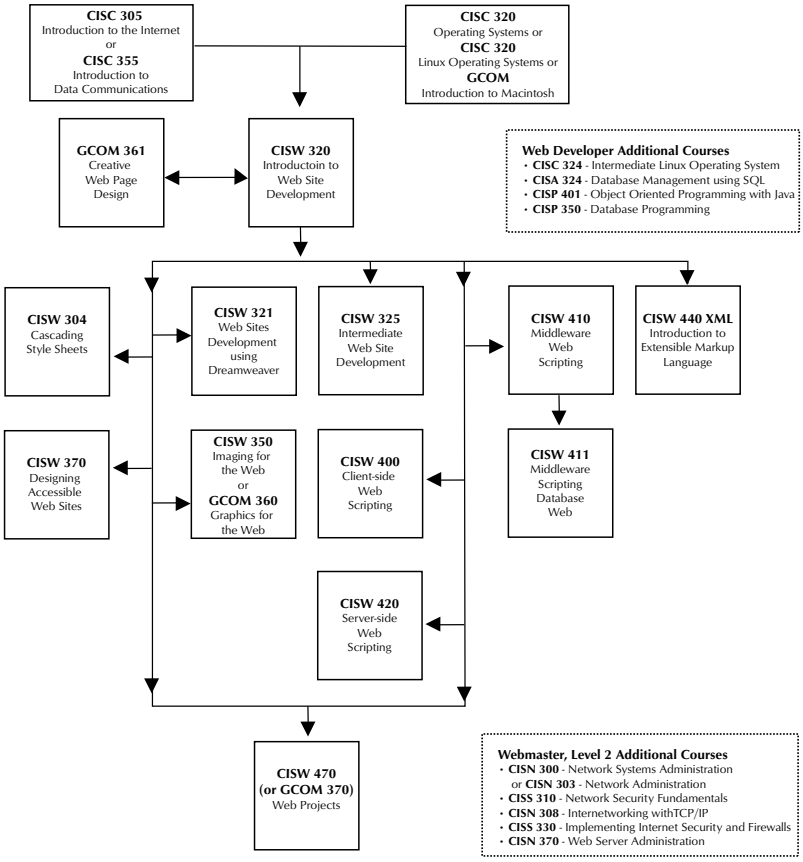
CISC 324 Intermediate Linux Operating System 1 Unit

Prerequisite: CISC 323 with a grade of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
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.

Computer Information Science – Sequence of Modern Programming Language Courses



Computer Information Science – Sequence of Web Courses



CISC 351 Introduction to Local Area Networks 1 Unit

Prerequisite: None.
Advisory: CISC 320 and CISC 355 with grades of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
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 1.5 Units

Prerequisite: None.
Advisory: CISC 300 or CISC 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 27 hours LEC
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 Microcomputer Support and Maintenance 4 Units

Prerequisite: None.
Advisory: CISC 320 and CISC 351 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
This course is an introduction to technical support and maintenance of microcomputers. It includes lecture and hands-on application of help desk concepts and responsibilities, hardware and software troubleshooting in a networked environment, system documentation, and technical communication skills. Seventy-two hours of internship are required as part of the laboratory component of the course.

CISC 495 Independent Studies in Computer Information Science - Core 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
This course provides students with opportunities to develop marketable 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 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 4 times when there is new or expanded learning on the job for a maximum of 16 units.

CISC 499 Experimental Offering in Computer Information Science-Core .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental 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.

Computer Info Science – Network (CISN)

CISN 299 Experimental Offering in Computer Information Science - Network .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

CISN 300 Network Systems Administration 3 Units

Prerequisite: None.
Advisory: CISC 320 (Windows or Linux) with a grade of "C" or better.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 48 hours LEC; 28 hours LAB
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 3 Units

Prerequisite: CISN 300 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 48 hours LEC; 28 hours LAB
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 3 Units

Prerequisite: None.
Advisory: CISC 323 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
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 3 Units

Prerequisite: CISC 320 with a grade of "C" or better
Advisory: CISC 355 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 48 hours LEC; 28 hours LAB
This course provides a comprehensive survey of local and wide area networks, technologies, protocols, and connectivity. Topics covered include network topologies, the Open Systems Interconnection seven-layer model for communication, communication protocols and standards, access methods, and data translation and transmission equipment and media. This course is intended to prepare students for the COMPTIA N+ industry certification.

CISN 306 Advanced Network Systems Administration 3 Units

Prerequisite: CISN 300 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 48 hours LEC; 28 hours LAB
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 3 Units

Prerequisite: CISC 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 48 hours LEC; 28 hours LAB
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 3 Units

Prerequisite: CISN 300 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 48 hours LEC; 28 hours LAB
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 2 Units

Prerequisite: CISN 303 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 36 hours LEC; 18 hours LAB
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 320 Designing Windows Directory Services 3 Units

Prerequisite: CISN 307 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
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 336 Wireless Technologies 3 Units

Prerequisite: CISN 341 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
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: Data Communication and Networking 3 Units

Prerequisite: None.
Advisory: CISC 300 or CISC 310, and CISC 320 with grades of "C" or better.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
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 3 Units

Prerequisite: CISN 340 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
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: Advanced Routing and Switching 3 Units

Prerequisite: CISN 341 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
This course provides advanced routing and switching technologies. Topics include advanced router configurations, network management, advanced network design, LAN switching, and VLANS. 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).

CISN 343 CISCO Networking Academy (CCNA)tm: Wide Area Network and Project-Based 3 Units

Prerequisite: CISN 342 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
This course develops knowledge and skills to design and configure advanced wide area network (WAN) projects using CISCO IOS command set. This is the fourth 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 346 Network Design and Projects 3.5 Units

Prerequisite: CISN 341 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 27 hours LAB
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: Advanced Router Configuration 3 Units

Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
This course develops knowledge and skills in advanced outer configuration using CISCO IOS command set. Topics include advanced IOS command set, network design, scalable routing protocols (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), and Border Gateway protocol (BGP). This is the first course in a series of four advanced courses in preparation for CISCO certification examination.

CISN 351 CISCO Networking Academy (CCNP)tm: Remote Access 3 Units

Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
This course develops knowledge and skills in building remote access networks. Topics include design, configuration, enabling on-demand connections, enabling permanent connections, scaling remote access networks and remote access network setup, and management. This is the second course in a series of four advanced courses in preparation for the CISCO certification examination.

CISN 352 CISCO Networking Academy (CCNP)tm: Multi-Layer Switching 3 Units

Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
This course develops knowledge and skills in multi-layer switched networks. Topics include how routing and switching technologies work together, building campus networks using multi-layer switching technologies, using VLAN, improving IP performance, and securing the campus network model. This is the third course in a series of four advanced courses in preparation for the CISCO certification examination.

CISN 353 CISCO Networking Academy (CCNP)™: Internetwork Troubleshooting 3 Units

Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCCNA) certification
Course Transferable to CSU
Hours: 54 hours LEC; 20 hours LAB
This course develops knowledge and skills in fundamental hardware maintenance and troubleshooting routers and switches. Topics include managing and maintaining networks, troubleshooting tools and methodology, routing and routed protocol troubleshooting, campus switch and VLAN troubleshooting and WAN troubleshooting. This is the fourth course in a series of four advanced courses in preparation for the CISCO certification examination.

CISN 374 Messaging Server Administration 3 Units

Prerequisite: CISN 300 with a grade of "C" or better.
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
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 3 Units

Prerequisite: CISN 300 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
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-Network .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 72 hours LEC
See Experimental Offerings

Computer Information Science – Programming (CISP)

CISP 301 Algorithm Design and Implementation 4 Units

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.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This course provides an introduction to the analysis, design, and implementation of software solutions to simple problems: developing standard algorithms for performing a bubble sort, a linear search of an array, and for data validation. Other topics covered include converting numbers between numbering systems, binary arithmetic including two's complement subtraction, console and file input/output, and functions.

CISP 310 Assembly Language Programming for Microcomputers 4 Units

Prerequisite: CISP 301 and 360 with grades of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 a much better understanding of the internal operations of computers. (C-ID COMP 142)

CISP 320 COBOL Programming 4 Units

Prerequisite: CISP 301 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: CISA 323 with a grade of "C" or better
Advisory: Proficiency in any high-level programming language
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This is an introductory course to programming in database. The topics include analysis and design, modular programming, screen displays and menus, and multiple databases.

CISP 360 Introduction to Structured Programming 4 Units

Prerequisite: CISP 301 with a grade of "C" or better
General Education: AA/AS Area II(b) (effective Spring 2015)
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
This course is an introduction to structured programming and objects. Topics include program design, use of variables and constants, operators, control structures, functions, standard libraries, pointers, arrays, and input/output (including file I/O). (C-ID COMP 112)

CISP 362 Programming for Mobile Devices I 4 Units

Prerequisite: CISP 301, 360, 400, or 401 with a grade of "C" or better; or experience using any modern, high-level programming language
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
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 370 Beginning Visual Basic 4 Units

Prerequisite: CISP 301 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
This course is an introduction to object oriented/event driven programming in a Windows environment. Topics include buttons, boxes, graphics, data handling, error handling, control, and form handling. This course will enable students to understand object oriented programming concepts such as form, methods, projects, and modules and to design useful Windows layouts.

CISP 400 Object Oriented Programming with C++ 4 Units

Prerequisite: CISP 360 with a grade of "C" or better.
Advisory: CISC 323 with a grade or "C" or better
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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. (C-ID COMP 122)

CISP 401 Object Oriented Programming with Java 4 Units

Prerequisite: CISP 360 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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, UML, function overloading, inheritance, static and dynamic class relationships, polymorphism, components, event driven programming, class associations, testing and debugging.

CISP 430 Data Structures 4 Units

Prerequisite: CISP 400 or 401 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: CISP 430 and MATH 370 with grades of "C" or better
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 and algorithm analysis, digital logic and switching and combinatorial circuits, and computer arithmetic. Computer programming assignments will be included.

CISP 452 Introduction to Systems Programming 3 Units

Prerequisite: CISP 430 with a grade of "C" or better
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introduction to Systems Programming concepts using the C language. The course covers features of the C language commonly used in Systems Programming. Topics include C preprocessor macros, file systems, shells and shell script programming, make files and Source Code Control Systems (SCCS), and program relocation and linking concepts. Knowledge of the C language and data structures is required.

CISP 457 Computer Systems Analysis and Project Management 3 Units

Prerequisite: CISP 301 with a grade 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.
Course Transferable to CSU
Hours: 54 hours LEC
This course covers the methods used to analyze, design, and implement a computer system that meets client business needs. The methodology emphasizes the skills needed by a systems analyst throughout the steps of a system development life cycle. These steps include system feasibility, analysis, design, implementation, documentation, and evaluation.

CISP 499 Experimental Offering in Computer Information Science-Programming .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 90 hours LEC
See Experimental 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.

Computer Information Science – Security (CISS)

CISS 300 Introduction to Information Systems Security 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
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 301 Ethical Hacking 2 Units

Prerequisite: None.
Advisory: CISC 320 (Operating Systems) with a grade of "C" or better.
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
This course explores ways in which security for a stand-alone personal computer (PC) and a network-connected PC can be compromised. It introduces basic security concepts, principles, and "best practices." It also explores ways in which the security of a PC can be checked and evaluated. Principles of ethical hacking are discussed. Internal and external security threats are discussed, including viruses, worms, Trojans, scripts, and other malicious e-mail content. Network vulnerabilities, common exploits, and basic counter measures are also covered.

CISS 310 Network Security Fundamentals 3 Units

Prerequisite: None.
Advisory: CISN 340 or CISN 300 or CISN 304 with a grade of "C" or better
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
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 320 Implementing Network Security and Counter Measures 3 Units

Prerequisite: CISS 310 with a grade of "C" or better
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
In this course, students will learn how to evaluate, implement, and manage secure remote-access technologies in order to prevent systems from attack. Topics include risk analysis, choosing and setting up Virtual Private Networks and Intrusion Detection systems.

CISS 330 Implementing Internet Security and Firewalls 3 Units

Prerequisite: CISS 310 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC; 18 hours LAB
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 341 Implementing Windows Operating System Security 3 Units

Prerequisite: None.
Advisory: CISC 320 and CISS 310; with grades of "C" or better
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
This course will provide in-depth explanations of operating system security features as well as step-by-step configuration guides for proper operating system configuration. It also provides the knowledge and skills students will need to know in order to maintain the integrity, authenticity, availability, and privacy of data.

CISS 342 Implementing Linux Operating System Security 3 Units

Prerequisite: None.
Advisory: CISC 323 and CISS 310 with grades of "C" or better
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
This course provides the knowledge and skills you need to establish security for the Linux platform. It will present in-depth explanations of operating system security features as well as step-by-step configuration guides for proper operating system configuration. This course also will cover the knowledge and skills students will need to maintain the integrity, authenticity, availability, and privacy of data.

CISS 350 Disaster Recovery 3 Units

Prerequisite: None.
Advisory: CISS 310 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 360 Computer Forensics and Investigation 3 Units

Prerequisite: None.
Advisory: CISC 320 and CISS 310 with grades of "C" or better
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
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 Info Science – Web (CISW)

CISW 281 Web Professional Essentials I 1 Unit

Same As: GCOM 281
Prerequisite: None.
Corequisite: CISW 320 and GCOM 330
Hours: 18 hours LEC
The purpose of this course is to guide students toward professional development and provide the tools, essential knowledge, and skills needed to become successful in the web, graphic design, and computer science industries. Students would use industry standard methods for planning, customer management, time management, project analysis, problem solving, and web security. These business practices include web marketing, conflict resolution and critical thinking. This course will build a "cohort" team of students who move through the group of classes together for two years. They will support each other in their classes and through to the degree or certificate completion. Students may earn credit for CISW 281 or GCOM 281 but not for both.

CISW 282 Web Professional Essentials II 1 Unit

Same As: GCOM 282
Prerequisite: CISW 281 or GCOM 281 with a grade of "C" or better
Hours: 18 hours LEC
This course will have student incorporate effective tools to guide them toward further professional development models for their success in the Web, Graphic Design, and Computer Science industries. Collaborative projects will be utilized for effective techniques in planning, customer management, time management, project analysis, problem solving, and Web marketing, in addition to conflict resolution and critical thinking techniques. Students are also required to apply for a web professional internship. Students may earn credit for CISW 282 or GCOM 282 but not for both.

CISW 283 Web Professional Essentials III 1 Unit

Same As: GCOM 283
Prerequisite: CISW 282 or GCOM 282 with a grade of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC
This course will teach effective research techniques for educational and career planning to continue working toward higher educational goals. Students will establish mentor relationships with new students in the program and develop group communication and presentation skills. Students may earn credit for CISW 283 or GCOM 283 but not for both.

CISW 284 Web Professional Essentials IV 1 Unit

Same As: GCOM 284
Prerequisite: CISW 283 or GCOM 283 with grade of "C" or better.
Hours: 18 hours LEC
Students will utilize current technology tools to research industry related issues. They will implement industry standard solutions to those issues. The course provides experience in the production of quality documents and publications for professional presentation to Web industry leaders. Students may earn credit for CISW 284 or GCOM 284 but not for both.

CISW 299 Experimental Offering in Computer Information Science - Web .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

CISW 304 Cascading Style Sheets 2 Units

Prerequisite: CISW 300 or 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
This course continues the study of technical aspects of standards-based Web design for experienced students and Web professionals. Topics include the separation of content from presentation, dynamic user interaction, and designing for alternative devices, using Cascading Style Sheets (CSS) in combination with Extensible Hypertext Markup Language (XHTML).

CISW 320 Introduction to Web Site Development 3 Units

Prerequisite: CISC 310, 320, or 323 with a grade of "C" or better; or equivalent experience using files and folders on a Personal Computer (PC).
Advisory: CISC 305 with a grade of "C" or better or experience using the World Wide Web.
Course Transferable to CSU
Hours: 54 hours LEC; 18 hours LAB
This course is an introduction to the technical aspects of Web site development for students and Web professionals. Topics include creating Web pages with markup languages, including XHTML, cascading style sheets (CSS), the use of images and other media on the Web, interactive tools like forms and image maps, file management for the Web, and uploading files via File Transfer Protocol (FTP) to a Web server. Emphasis will be on the study and implementation of current World Wide Web Consortium (W3C) standards and a structured approach to Web site development in which students will identify the information dissemination needs of a client and then develop and implement an appropriate Web solution. This course was formerly known as CISW 300 and students who have completed CISW 300 may not receive credit for this course. Students needing recertification or to meet transfer/degree/job requirements must complete a waiver petition prior to the registration date.

CISW 321 Web Site Development using Dreamweaver 3 Units

Prerequisite: CISC 300, 310, or 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course covers the use of Dreamweaver, a visual Web-authoring tool, to develop and implement Web sites. The topics covered include: creating Web pages that contain text, images, multimedia, links, tables, forms, Cascading Style Sheets, and image maps; developing effective Website structures; using Website management tools; Website documentation; making site-wide updates to a Website; and extending Dreamweaver. Students will work individually and as members of a team to plan, implement, test, and evaluate Websites.

CISW 323 Survey of Internet Technologies 4 Units

Prerequisite: Students must have completed CISW 320 and GCOM 360 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This course delivers a survey of advanced website techniques to experienced students and Web professionals. Topics include dynamic HTML, form validation and processing, client-side programming with JavaScript or other languages, server-side programming with hypertext pre-processor (PHP) and Common Gateway Interface (CGI) scripting with Perl, and database driven Web development. Mobile development and new Web languages will be discussed. Students will enter provided code in a variety of languages to learn the basics of how they work and potential advantages of each language. In addition, modern Web creation tools will be discussed, used, and compared.

CISW 325 Intermediate Web Site Development 4 Units

Prerequisite: CISW 300 or 320 with a grade of "C" or better; Students must have experience hand coding Web pages with Hypertext Markup Language (HTML), Extensible Hypertext Markup Language (XHTML) and Cascading Style Sheets (CSS) for content, structure and presentation in compliance with W3C standards and recommendations.
Advisory: CISP 301 with a grade of "C" or better or experience writing programs in any high level programming language.
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This course introduces the systematic development of interactive Web sites to experienced students and Web professionals. Topics include dynamic HTML, form validation and processing, client-side programming with JavaScript, server-side programming with hypertext pre-processor (PHP) or CGI scripting with Perl, and database-driven Web development. This course was formerly known as CISW 310 and students who have received credit for CISW 310, Advanced Web Publishing, may not receive credit for this class.

CISW 350 Imaging for the Web 1 Unit

Prerequisite: CISC 306, CISW 300, or CISW 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC; 18 hours LAB
This course covers designing graphics for the Web. This course is not intended for Graphic Communication students. Industry standard graphic software is used to create original graphics as well as to manipulate existing imagery. Topics include developing graphic elements for a Website using a visual theme, creating buttons and intuitive navigational elements, making background textures and images, understanding Web file formats, scanning, and simple animation. This course is not open to students who have completed GCOM 360 or CISW 351.

CISW 370 Designing Accessible Web Sites 1 Unit

Prerequisite: CISW 300, CISW 320, or GCOM 361 with a grade of "C" or better; or equivalent experience designing Web pages with Extensible Hypertext Markup Language (XHTML).
Course Transferable to CSU
Hours: 18 hours LEC
This course provides an overview of the methods that are used to design accessible Websites, including access tools for people with disabilities. Current legal requirements for accessible Websites, especially the Americans with Disabilities Act (ADA), are emphasized.

CISW 400 Client-side Web Scripting 4 Units

Prerequisite: A grade of "C" or better in CISP 301 or programming experience in any high level programming language, and a grade of "C" or better in CISW 320 or CISW 300 or equivalent experience hand coding Web pages.
General Education: AA/AS Area II(b) (effective Spring 2015)
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This course emphasizes the creation of dynamic and interactive Web sites using a client-side scripting language such as Javascript and AJAX. Topics include the Document Object Model that defines structured Web pages, core features of the client-side scripting language, event handling, control of windows and frames, functions, and form validation.

CISW 405 ActionScript for Flash 3 Units

Prerequisite: GCOM 363 with a grade of "C" or better
Advisory: CISP 301 with a grade of "C" or better or any high level programming language.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC
This course introduces Macromedia Flash users to programming with ActionScript, including using ActionScript to animate, process data, create dynamic content, and manipulate components. The course emphasizes the object-oriented capabilities of Macromedia Flash and covers how to use ActionScript objects, methods, events, properties, and functions, with an eye toward ActionScript best practices.

CISW 410 Middleware Web Scripting 4 Units

Prerequisite: CISW 320 or CISW 300 with a grade of "C" or better AND CISP 301 or one programming course with a grade of "C" or better or any programming experience.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This course emphasizes the creation of interactive Websites using the middleware Web scripting environment, Php, Topics include core features of the middleware Web scripting language, embedding server commands in HTML pages, control structures, functions, arrays, form validations, cookies, environmental variables, email applications, and database driven Web applications.

CISW 411 Middleware Scripting Database Web Applications 2 Units

Prerequisite: CISW 320 and CISW 410 with grades of "C" or better.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 27 hours LEC; 27 hours LAB
This course includes interactive database applications for the Web using a database and middleware scripting language. Topics include organizing data, developing tables for databases, creating middleware scripts that add, delete, sort, edit, and merge the data in the database. Maintaining database integrity and using DHTML or other code to streamline certain client side functions such as form validation are covered.

CISW 420 Server-side Web Scripting 4 Units

Prerequisite: CISW 320 or CISW 300 with a grade of "C" or better.
Advisory: CISW 325 with a grade of "C" or better, or CISP 301 with a grade of "C" or better, or experience writing programs in any high level programming language.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This course emphasizes the creation of interactive Websites using a server-side scripting language such as Perl or Java. Topics include core features of the server-side scripting language, control structures, functions, arrays, form validations, regular expressions, cookies, environmental variables, email applications, and database-driven Web applications.

CISW 440 XML: Introduction to Extensible Markup Language 2 Units

Prerequisite: CISW 320 or CISW 300 with a grade of "C" or better.
Advisory: CISA 323 or CISP 350 with a grade of "C" or better.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 36 hours LEC
Extensible Markup Language (XML) is a universal method for representing information that is especially well suited for distribution over the Internet. This course will address the most fundamental XML questions - what XML is, why it is needed, and how it can be used. Students will learn the most current, practical XML technologies available at the present time.

CISW 470 Web Projects 3 Units

Prerequisite: One of the following: CISW 325, CISW 410, CISW 420, GCOM 361, GCOM 362, GCOM 363, or equivalent with a grade of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course focuses on Web project management on a real-world Website. Emphasis will be placed on the project development life cycle including design specification, research, production, modification, and presentation. Students will learn how to prepare a cost estimate for the project. Web projects utilized in the class will be multifaceted, approaching the complexity that individuals would be expected to encounter in the Web development industry. (Students may bring their own Web Projects to class.)

CISW 498 Work Experience in Web Development 1-3 Units

Prerequisite: CISW 320 and one of CISW 325 or CISW 400 or CISW 410 with grades of "C" or better.
Course Transferable to CSU
Hours: 16 hours LEC; 300 hours LAB
This course provides students with opportunities to develop marketable 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 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.

CISW 499 Experimental Offering in Computer Information Science-Web .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offerings

Cosmetology COSM

Degree:
A.S. – Cosmetology

Certificates of Achievement:
Art and Science of Nail Technology
Cosmetology

Division of Advanced Technology
Donnetta Webb, Dean
Technology 106
916-558-2491

Art and Science of Nail Technology

Certificate of Achievement

Program Information
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
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.

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.

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.

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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051357C01

Transfer Students
Transfer students from another cosmetology or nail technology program (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.

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.

Required Course	Units
COSM 100 Introduction to Cosmetology	2
COSM 150 Art and Science of Nail Technology	11
COSM 151 Art and Science of Nail Technology – Lab	5.5
Total Units Required	**18.5**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better. The Cosmetology Certificate of Achievement is covered in three semesters requiring attendance in Cosmetology classes for 32.5 hours a week.

Cosmetology

Associate in Science Degree
Certificate of Achievement

Program Information
The course of study for Cosmetology is approved by the Board of Barbering and Cosmetology. It is designed to train students to become cosmetologists and, at the same time, students may earn an Associate of Science Degree. The program requires 1600 hours of 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 license. The training includes permanent waving, manicuring, hair styling and hair cutting, hair coloring, facial procedures, customer relations, professionalism, and salon business.

Completion of COSM 100 with a grade of "C" or better is required within a two year period, before beginning of the cosmetology and nail technology (manicure) courses. A proof of completion form for COSM 100 will be issued upon successful completion of the course 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.

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.

- Fall COSM 110/COSM 111 day
- Fall COSM 110/COSM 111 eve
- Fall COSM 150 day
- Spring COSM 110/COSM 111 day
- Spring COSM 110/COSM 111 eve
- Spring COSM 150 day

Transfers
Transfer students from another cosmetology or nail technology program (public or private) must complete COSM 100, then COSM 110 and COSM 111 or COSM 150 and COSM 151 with grades of "C" or better. After completion of these courses, the student's records will be evaluated for appropriate course placement by the cosmetology faculty.

Program Costs
Approximately $2,000.00 is required at the beginning of the semester for textbooks, kit, and uniforms, personal supplies and materials. Students must purchase the required textbooks, kit and uniforms by the first day of class or they will be dropped from the program for that semester. In addition, there will be costs throughout the cosmetology program for uniforms, program materials, and supplies. The 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.

Career Opportunities
Cosmetologists are employed in every community. Many are self-employed, while others are employed in large or small establishments. It is a lucrative field for both men and women. A cosmetologist may specialize as a platform stylist, color or hair cutting specialist, salon owner or manager, educator, State Board Expert Witness, or travel throughout the world working in the cosmetology industry.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051082C01

Recommended High School Preparation
Art, anatomy, physiology, chemistry, English and math.

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.
- formulate, demonstrate, and complete tasks in preparation for the California State Board of Cosmetology written and practical examination.
- demonstrate proper analysis of industry products for use in various phases of the cosmetology industry.

Required Program	**Units**
Prerequisite Course	
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 Required	**47**

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better. The Cosmetology Certificate of Achievement is covered in three semesters requiring attendance in Cosmetology classes for 32.5 hours a week.

Cosmetology (COSM)

COSM 100 Introduction to Cosmetology 2 Units

Prerequisite: None.
Hours: 36 hours LEC
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 5 Units

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.
Hours: 90 hours LEC
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 10 Units

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.
Hours: 540 hours LAB
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 5 Units

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.
Hours: 90 hours LEC
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 10 Units

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.
Hours: 540 hours LAB
This course provides instruction in technical 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 130 Advanced-Certificate Course - Theory 5 Units

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.
Hours: 90 hours LEC
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 10 Units

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.
Hours: 540 hours LAB
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 1-5 Units

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.
Hours: 270 hours LAB
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 3 Units

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.
Hours: 162 hours LAB
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 11 Units

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.
Hours: 200 hours LEC
This one-semester course provides instruction in technical and theoretical knowledge that directly relates to the beginning, intermediate, and advanced theory and practical training in manicuring and pedicuring. After completion of this course, students will be eligible to apply for the California State Board Manicure Examination. The course will include theory of professional image, theory in procedures for basic and spa manicuring, and pedicuring treatments, acrylic nail application, nail tip and wrap application, gel nail light and no-light cured application, electric file application, basic airbrushing application, nail art and design, nail salon business, and customer service techniques.

COSM 151 Art and Science of Nail Technology - Lab 5.5 Units

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.
Hours: 300 hours LAB
This one-semester course provides 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 Manicure Examination. The course will include procedures for basic and spa manicuring, and pedicuring treatments, acrylic nail application, nail tip and wrap application, gel nail light and no-light cured application, electric file application, basic airbrushing application, nail art and design, nail salon business, and customer service techniques.

COSM 152 Art and Science of Nail Technology - Supplemental Hours 1-5 Units

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.
Hours: 60 hours LEC; 270 hours LAB
This course satisfies the hours and requirements not completed by the student in the COSM 150 and/or COSM 151 course, who want to apply for the Sacramento City College Career Certificate and/or a California State Board of Manicure License.

COSM 294 Topics in Cosmetology .5-4 Units

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.
Hours: 216 hours LAB
This course reviews the California State Board of Cosmetology Acts, 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 1-3 Units

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.
Hours: 162 hours LAB
This course reviews the latest trends in the cosmetology industry and latest California State Cosmetology Acts, Rules, and Regulations pertaining to licensing and establishment requirements.

COSM 299 Experimental Offering in Cosmetology .5-4 Units

Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

Dental Assisting DAST

Degree:
A.S. – Dental Assisting
Certificate of Achievement (One year plus one Summer):
Dental Assisting

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Dental Assisting

Associate in Science Degree
Certificate of Achievement

Program Information
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 a Registered Dental Assistant. In addition to normal student expenses (for textbooks, etc.), the Dental Assisting Program requires an expenditure of approximately $3,500.00 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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051083C01

Enrollment Eligibility
To be eligible for enrollment in the program, the student must meet the following criteria:

- Completion of ENGRD 11 or ESLR 310 with a grade of "C" or better; or placement into ENGRD 110 or ESLR 320 through the assessment process.
- Proof of eligibility can be obtained by either (1) submitting an official college transcript indicating the successful completion of an appropriate level English Reading course or (2) submitting the results of assessment testing that verifies placement in an appropriate level English Reading course.
- High school or college grade point averages are not used to establish eligibility for the dental assisting program.

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 30 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.

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, professional growth, and continued competency.
- 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.

Required Program	Units
DAST 101 Biodental Science	2
DAST 102 Chairside Assisting	6
DAST 103 Patient Assessment	2.5
DAST 104 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	2.5
DAST 119 Clinical Experience I	2
DAST 129 Clinical Experience II	3[1]
Total Required Units	**33.5**

[1] Summer Session

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Suggested Semester Sequence

First Semester, Fall
DAST 101 Biodental Science..... 2
DAST 102 Chairside Assisting 6
DAST 103 Patient Assessment 2.5
DAST 104 Anatomy and Morphology 3
DAST 107 Dental Radiology 2.5

Second Semester, Spring
DAST 111 Dental Nutrition and Prevention 1
DAST 112 Registered Dental Assisting 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 2.5
DAST 119 Clinical Experience I 2

Summer Session
DAST 129 Clinical Experience II 3

Dental Assisting (DAST)

DAST 101 Biodental Science 2 Units

Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the Dental Assisting program and completion of ENGRD 11 or ESLR 310 with a grade of "C" or better; or placement into ENGRD 110 or ESLR 320 through the assessment process.
Hours: 36 hours LEC
Biodental Science includes microbiology and asepsis, the California Division of Occupational Safety and Health (Cal-DOSH), the Environmental Protection Agency (EPA), and the Dental Board of California (DBC) infection control regulations, dental pathology, sterilization, and hazardous materials in the dental practice.

DAST 102 Chairside Assisting 6 Units

Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the Dental Assisting program and completion of ENGRD 11 or ESLR 310 with a grade of "C" or better; or placement into ENGRD 110 or ESLR 320 through the assessment process.
Hours: 72 hours LEC; 108 hours LAB
This course is an introduction to chairside dental assisting and the principles of four-handed dentistry, including materials and instrumentation. In this course, emphasis is given to step-by-step procedures and the function, use, and care of dental equipment, and the operatory. Extra time outside the normal school schedule may be required for field trips, conventions, community projects, etc. A small fee may be associated with some outside class assignments and activities.

DAST 103 Patient Assessment 2.5 Units

Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the Dental Assisting program and completion of ENGRD 11 or ESLR 310 with a grade of "C" or better; or placement into ENGRD 110 or ESLR 320 through the assessment process.
Hours: 45 hours LEC
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 Anatomy and Morphology 3 Units

Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the Dental Assisting program and completion of ENGRD 11 or ESLR 310 with a grade of "C" or better; or placement into ENGRD 110 or ESLR 320 through the assessment process.
Hours: 54 hours LEC
The focus of this course is dental morphology including the form, function, and location of the hard and soft structures of the mouth. The students will be exposed to the anatomy and physiology of the head and neck as these relate to the practice of dentistry. In addition, the course covers material related to the monitoring and communication of information related to heart function and blood gas levels.

DAST 107 Dental Radiology 2.5 Units

Prerequisite: See enrollment limitations.
Enrollment Limitation: Acceptance into the Dental Assisting program and completion of ENGRD 11 or ESLR 310 with a grade of "C" or better; or placement into ENGRD 110 or ESLR 320 through the assessment process.
Hours: 27 hours LEC; 54 hours LAB
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 1 Unit

Prerequisite: DAST 101, 102, 103, 104, and 107 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.
Hours: 18 hours LEC
The focus of this course is the study of nutrition from a whole body concept and its interrelated effects on the oral environment. The students will integrate these concepts with preventive dentistry concepts and the role of the dental assistant in community/public health situations.

DAST 112 Registered Dental Assistant Advanced Duties 3 Units

Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.
Hours: 27 hours LEC; 81 hours LAB
The course entails the study of the practical applications of advanced four-handed dental techniques. Instruction in California's "Expanded Duty Functions," as defined by the Dental Board of California, is part of the course including, but not limited to such functions as the fabrication of provisional restorations and orthodontic duties.

DAST 113 Advanced Patient Assessment and Dental Imaging 2 Units

Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.
Hours: 24 hours LEC; 36 hours LAB
This course builds on the principles of DAST 103, Patient Assessment, and covers advanced instruction in 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, tobacco cessation, the aging dental patient, intra-oral and extra-oral imaging, full mouth radiographs, and case presentation.

DAST 115 Registered Dental Assistant Advanced Duty Certifications 2 Units

Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.
Hours: 108 hours LAB
This course will provide instruction and practice in advanced dental assisting duties including coronal polishing, application of pit and fissure sealants, patient assessment, in-office bleaching, and caries detection.

DAST 116 Practice Management for the Dental Assistant 2 Units

Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.
Hours: 36 hours LEC
Practice Management includes 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 being a Registered Dental Assistant in California.

DAST 118 Board Preparation 2.5 Units

Prerequisite: DAST 111, 112, 115, 116, 117, and 119 with grades of "C" or better
Hours: 36 hours LEC; 27 hours LAB
This course is the culmination of all previous dental assisting courses and will focus 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 both the written and practical Registered Dental Assisting examinations 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 2 Units

Prerequisite: DAST 101, 102, 104, and 107 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.
Hours: 108 hours LAB
This course involves performance of dental assisting duties in an assigned dental clinic or private office during a full-time (40 hours/week) clinical affiliation of six weeks.

DAST 129 Clinical Experience II 3 Units

Prerequisite: DAST 111, 112, 115, 116, 117, and 119 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Assisting program.
Hours: 192 hours LAB
This course involves performance of basic dental assisting duties as well as expanded duties in an assigned dental clinic or private office during 192 hours of clinical affiliation to be arranged. Students will meet for three hours of seminar. This course is graded on a Pass/No Pass basis.

DAST 295 Independent Studies in Dental Assisting 1-3 Units

Prerequisite: See enrollment limitations
Enrollment Limitation: Student must be enrolled in the Dental Assisting program.
Hours: 162 hours LAB
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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC; 27 hours LAB
See Experimental Offerings

Dental Hygiene DHYG

Degree:
A.S. – Dental Hygiene

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Dental Hygiene

Associate in Science Degree

Program Information
The Dental Hygiene Program consists of 39.5 units of prerequisite courses in addition to 45.5 units of 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 $4,500 during the two-year program for uniforms, instruments, and special supplies. More than $3,500 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.

Enrollment Eligibility
To be eligible for enrollment in the program, the student must meet the following criteria:

- Enrollment in the Dental Hygiene program is based on satisfactory completion of prerequisite courses with grades of "C" or better and submission of an application and official transcripts to the Dental Health Office. Prerequisite courses include:
- BIOL 430 and 431, Anatomy & Physiology; BIOL 440, General Microbiology; CHEM 305 & CHEM 306 or CHEM 309, Introduction to Chemistry, with a cumulative minimum GPA of 3.0.
- FCS 340 or NUTRI 300, Nutrition; PSYC 300, General Principles; SOC 300, Introductory Sociology; COMM 301, Introduction to Public Speaking; ENGWR 300, College Composition, and DHYG 100, Introduction to Dental Hygiene, with a cumulative minimum GPA of 2.5.
- Completion of ENGRD 110, with a grade of "C" or better, or eligibility for ENGRD 310, as determined by the Sacramento City College reading assessment process for all applicants who do not have an AA/AS degree or higher.
- Completion of MATH 120, with a grade of "C" or better, or MATH competency.
- 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 and official transcripts supporting completion of prerequisite courses must be submitted to the Science and Allied Health Division by the posted due date. Enrollment applications and deadlines are available from the Science & Allied Health Division Office (Mohr Hall, Room 18 or 558-2271) or the SCC website at http://www.scc.losrios.edu/~dental/.
- 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.
- A background check and/or drug screening may be required upon enrollment.
- The program reserves the right to make changes in the enrollment criteria, academic requirements, grading standards, and other processes without notice at any time.

Career Opportunities
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.

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.

Required Program	Units
Prerequisite Courses	
BIOL 430 Anatomy and Physiology	5
BIOL 431 Anatomy and Physiology	5
CHEM 305 Introduction to Chemistry	5[1]
CHEM 306 Introduction to Chemistry	5[2]
BIOL 440 General Microbiology	4
NUTRI 300 Nutrition	3
PSYC 300 General Principles	3
COMM 301 Introduction to Public Speaking	3
SOC 300 Introductory Sociology	3
ENGWR 300 College Composition	3
DHYG 100 Introduction to Dental Hygiene	0.5
First Semester (Fall):	
DHYG 101 Introduction to Clinical Dental Hygiene	4
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
Third Semester (Fall):	
DHYG 131 Clinical Dental Hygiene III	4
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
DHYG 145 Clinic Seminar II	1
DHYG 149 Ethics, Jurisprudence and Dental Hygiene Practice	2
DHYG 129 Dental Anesthesia	2
Total Units Required	**85**

[1]CHEM 309 can be taken in place of CHEM 305 and CHEM 306.

[2]CHEM 309 can be taken in place of CHEM 305 and CHEM 306.

Associate in Science (A.S.) Degree
The Associate in Science Degree in Dental Hygiene must be obtained for graduation from the program.

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.

Dental Hygiene (DHYG)

DHYG 100 Introduction to Dental Hygiene .5 Units

Prerequisite: None.
Hours: 9 hours LEC
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 4 Units

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, FCS 340, ENGWR 300, COMM 301, PSYC 300, and SOC 300 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.
Hours: 36 hours LEC; 111 hours LAB
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 1 Unit

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, FCS 340, ENGWR 300, COMM 301, PSYC 300, and SOC 300 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.
Hours: 18 hours LEC
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 2 Units

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, FCS 340, ENGWR 300, COMM 301, PSYC 300, and SOC 300 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.
Hours: 36 hours LEC
This course studies 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 1.5 Units

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, FCS 340, ENGWR 300, COMM 301, PSYC 300, and SOC 300 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.
Hours: 18 hours LEC; 27 hours LAB
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 .5 Units

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, FCS 340, ENGWR 300, COMM 301, PSYC 300, and SOC 300 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.
Hours: 9 hours LEC
This course emphasizes the legal and ethical aspects of infectious disease transmission and their prevention. Included is the necessary information to meet OSHA and CDC requirements for education on infection control and hazardous material management.

DHYG 111 Clinical Dental Hygiene I 4 Units

Prerequisite: DHYG 103 and 107 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 36 hours LEC; 117 hours LAB
This is the 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 lecture includes the rationale for more difficult traditional dental hygiene skills.

DHYG 112 Periodontics I 2 Units

Prerequisite: DHYG 101, 103, 104, 107, and 109 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 36 hours LEC
This is a course in periodontics which 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 2 Units

Prerequisite: DHYG 101, 103, 104, 107, and 109 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 36 hours LEC
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 3 Units

Prerequisite: DHYG 101, 103, 104, 107, and 109 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 36 hours LEC; 54 hours LAB
Topics in this course include the principles of dental radiology, including laboratory experience and clinical application of procedures involved in exposing, processing, interpreting, and evaluating dental radiographs. Extra time outside the normal school schedule may be required for field trips, conventions, and community projects.

DHYG 121 Clinical Dental Hygiene II 2 Units

Prerequisite: DHYG 111, 112, 113, and 117 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 110 hours LAB
This is the continued clinical experience in performing oral prophylaxis with wider variety of clinical cases, as well as complete assignments in clinical radiography.

DHYG 127 Dental Materials 2 Units

Prerequisite: DHYG 111, 112, 113, and 117 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 27 hours LEC; 27 hours LAB
This course is a survey of dental materials and techniques and their use.

DHYG 129 Dental Anesthesia 2 Units

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, FCS 340, ENGWR 300, COMM 301, PSYC 300, and SOC 300 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.
Hours: 27 hours LEC; 27 hours LAB
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.

DHYG 131 Clinical Dental Hygiene III 4 Units

Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 252 hours LAB
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 the student's skills in areas of dental hygiene assessment, diagnosis, treatment planning, preventive and therapeutic services, and evaluation and time management.

DHYG 132 Periodontics II 1 Unit

Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 54 hours LAB
This course will develop 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 periodontist in the clinical setting using expanded functions skills, including administration of local anesthesia and soft tissue curettage.

DHYG 134 Community Dental Health 2 Units

Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the Dental Hygiene program.
Hours: 18 hours LEC; 54 hours LAB
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 1.5 Units

Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 27 hours LEC
This seminar integrates more 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. Additionally, 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.

DHYG 138 Oral Pathology 2 Units

Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 36 hours LEC
This course is the introduction to general pathology with a special emphasis on oral pathology.

DHYG 139 Pharmacology 2 Units

Prerequisite: DHYG 121 and 127 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 36 hours LEC
Pharmacology is the classification and study of drugs according to origin, physical and chemical properties, therapeutic effect and values, particularly of drugs utilized in dentistry.

DHYG 141 Clinical Dental Hygiene IV 4 Units

Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 252 hours LAB
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.

DHYG 145 Clinic Seminar II 1 Unit

Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better
Enrollment Limitation: Enrollment in the dental hygiene program.
Hours: 54 hours LAB
This course provides instruction in nitrous oxide/oxygen analgesia and caries detection. Students develop their critical thinking skills through the discussion of problems and special interest cases encountered in clinical experience. There will be presentations from outside speakers.

DHYG 149 Ethics, Jurisprudence and Dental Hygiene Practice 2 Units

Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better
Enrollment Limitation: Enrollment into the dental hygiene program.
Hours: 36 hours LEC
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. Extra time outside the normal school schedule may be required to complete projects and assignments.

DHYG 295 Independent Studies in Dental Hygiene 1-3 Units

Prerequisite: See enrollment limitations.
Enrollment Limitation: Enrollment in the Dental Hygiene program.
Hours: 162 hours LAB
This course is designed to provide a mechanism for current dental hygiene students to complete independent studies in dental hygiene education.

DHYG 299 Experimental Offering in Dental Hygiene .5-4 Units

Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

Early Childhood Education ECE

Degrees:
- **A.A. – Child Development**
- **A.A. – Early Childhood Education Administration**
- **A.A. – Early Childhood Education Teacher**
- **AA-T - Early Childhood Education for Transfer**

Certificates of Achievement:
- **Family Child Care**
- **Infant Care and Education Teacher**
- **School-Age Care and Education Teacher**

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Child Development

Associate in Arts Degree

Program Information
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.

Career Opportunities
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. 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.

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

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.
- 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.
- recognize the importance of early childhood as a unique time in children's development that requires specialized developmentally appropriate activities, routines, interactions, and guidance.
- recognize, respect, and integrate the individualized needs of diverse children and families, including those with special needs, into their early care and education program.
- evaluate and assess research, curriculum, program practices, developmental assessments, and other issues in the field of child development and early childhood education.
- construct an eclectic understanding and appreciation of child development that synthesizes development theories, research, and experience into a foundation for practice.

Required Program	**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) or SOC 312 The Child, the Family and the Community (3)	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) or ECE 402 Infants with Atypical Development (3)	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 in Early Childhood (3)	
ECE 362 Music for Children (3)	
ECE 415 Children's Health, Safety and Nutrition (3)	
Total Units	**32**

Suggested Electives
ECE 305, 331, 356, 358, 420, 422, 424, 450; ART 430, ENGLT 370, SILA 305

Associate in Arts Degree
The 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

Associate Degree for Transfer
A Degree with a Guarantee.

Early Childhood Education

Associate in Arts for Transfer

Program Information
The Associate in Arts 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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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 not an acceptable grade for courses in the major.

Enrollment Process
Students should meet with the Early Childhood Education Coordinator prior to declaring this major.

Career Opportunities
The Associate in Arts 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.

Upon completion of this program, the student will be able to:
- demonstrate foundational knowledge of child development and the socializing factors in childrens' 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.

Required Program	**Units**
1st Semester:	
ECE 312 Child Development	3
ECE 314 The Child, the Family and the Community	3
ECE 300 Introduction to Principles and Practices in Early Childhood Education	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 Required	**26**

Early Childhood Education Administration

Associate in Arts Degree

Program Information
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.

Career Opportunities
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.

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

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.

Required Program	Units
ECE 312 Child Development (3)	3
ECE 314 The Child, the Family and the Community (3) or SOC 312 The Child, the Family and the Community (3)	3
ECE 300 Introduction to Principles and Practices in Early Childhood Education	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) or ECE 402 Infants with Atypical Development (3)	3
ECE 410 Health and Safety in Child Care Settings (1) or HEED 330 Health and Safety in Child Care Settings (1) or ECE 419 Healthy Young Children in Group Care (1)	1
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 6 units from the following:	6
ECE 415 Children's Health, Safety and Nutrition (3)	
ECE 360 Art in Early Childhood (3)	
ECE 362 Music for Children (3)	
ECE 343 Language and Literacy Development in Early Childhood (3)	
ECE 342 Constructive Math and Science in Early Childhood Education (3)	
ECE 326 Making Learning Visible Through Observation and Documentation (3)	
ECE 322 Promoting Children's Social Competence (3)	
ECE 302 Computer Skills for Educators (3)	
Total Units Required	**38**

Suggested Electives
ECE 305, 330, 331, 350, 356, 358, 415, 420, 450, 498; ART 430; ENGLT 370

Associate in Arts Degree
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.

Early Childhood Education Teacher

Associate in Arts Degree

Program Information
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.

Career Opportunities
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.

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

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.

Required Program	Units
ECE 312 Child Development (3)	3
ECE 314 The Child, the Family and the Community (3) or SOC 312 The Child, the Family and the Community (3)	3
ECE 300 Introduction to Principles and Practices in Early Childhood Education	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
ECE 326 Making Learning Visible Through Observation and Documentation (3)	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 in Early Childhood (3) or ECE 362 Music for Children (3)	3
ECE 410 Health and Safety in Child Care Settings (1) or HEED 330 Health and Safety in Child Care Settings (1) or ECE 419 Healthy Young Children in Group Care (1)	1
ECE 415 Children's Health, Safety and Nutrition (3)	3
ECE 430 Culture and Diversity in Early Childhood Education	3
Total Units Required	**39**

Suggested Electives
ECE 305, 330, 331, 350, 356, 358, 415, 420, 498; ART 430; ENGLT 370

Associate in Arts Degree
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.

Family Child Care

Certificate of Achievement

Program Information
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 different ages.

Career Opportunities
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. These courses are also acceptable for work in licensed centers and count toward the Child Development Permit.

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

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.

Required Program	Units
ECE 305 Introduction to Family Child Care	1
ECE 312 Child Development	3
ECE 410 Health and Safety in Child Care Settings (1)	1
or HEED 330 Health and Safety in Child Care Settings (1)	
ECE 314 The Child, the Family and the Community (3)	3
or SOC 312 The Child, the Family and the Community (3)	
ECE 300 Introduction to Principles and Practices in Early Childhood Education	3
ECE 320 Curriculum and Interactions in Early Childhood Education (4)	1 – 4
or ECE 498 Work Experience in Early Childhood Education (1 – 4)	
Total Units Required	**12 – 15**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better in all courses or equivalent.

Infant Care and Education Teacher

Certificate of Achievement

Program Information
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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051652C01

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

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.
- cite 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.

Required Program	Units
ECE 312 Child Development	3
ECE 314 The Child, the Family and the Community (3)	3
or SOC 312 The Child, the Family and the Community (3)	
ECE 300 Introduction to Principles and Practices in Early Childhood Education	3
ECE 330 Infant and Toddler Development	3
ECE 331 Care and Education of Infants and Toddlers (3)	3 - 4
or ECE 320 Curriculum and Interactions in Early Childhood Education (4)	
ECE 402 Infants with Atypical Development (3)	3
or ECE 400 Children with Exceptional Needs (3)	
ECE 410 Health and Safety in Child Care Settings (1)	1
or HEED 330 Health and Safety in Child Care Settings (1)	
or ECE 419 Healthy Young Children in Group Care (1)	
ECE 430 Culture and Diversity in Early Childhood Education	3
A minimum of 3 units from the following:	3
ECE 322 Promoting Children's Social Competence (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 in Early Childhood (3)	
ECE 362 Music for Children (3)	
ECE 415 Children's Health, Safety and Nutrition (3)	
Total Units Required	**25 – 26**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better in all courses or equivalent.

School-Age Care and Education Teacher

Certificate of Achievement

Program Information
This program provides preparation for employment in school-age care and education settings. 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. In addition Early Childhood Education offers a Teacher Preparation Program that is articulated with California State University, Sacramento.

Career Opportunities
Students with the School-Age Teacher Certificate are eligible for employment as teachers in private school-age 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. The School-Age 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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051098C01

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

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.

Required Program	Units
ECE 312 Child Development (3)	3
ECE 314 The Child, the Family and the Community (3)	3
or SOC 312 The Child, the Family and the Community (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 356 Programs for the School-Age Child	3
ECE 358 Activities for the School-Age Child	3
ECE 430 Culture and Diversity in Early Childhood Education	3
ECE 410 Health and Safety in Child Care Settings (1)	1
or HEED 330 Health and Safety in Child Care Settings (1)	
or ECE 419 Healthy Young Children in Group Care (1)	
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 343 Language and Literacy Development in Early Childhood (3)	
ECE 360 Art in Early Childhood (3)	
ECE 400 Children with Exceptional Needs (3)	
ECE 415 Children's Health, Safety and Nutrition (3)	
ECE 342 Constructive Math and Science in Early Childhood Education (3)	
or ECE 450 Science Activities for School-Age Children (3)	
Total Units Required	**22 – 23**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better in all courses or equivalent.

Early Childhood Education (ECE)

ECE 100 Nutrition Education for Early Childhood Educators 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
This course is designed to teach active or aspiring early childhood educators current topics in childhood nutrition, coupled with hands-on kitchen experience to reinforce that knowledge. Topics will include: food safety and handling, dietary fats, carbohydrates, proteins, vitamins and minerals, menu planning, and food choices such as vegan and vegetarian diets. A field trip to a local grocery store, farmer's market or farm-to-table facility will be organized as a learning experience.

ECE 104 Parenting Workshop 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
This course is designed for, but not limited to, student-parents of either infant/toddler or preschool children that are enrolled at the Child Development Center on campus. The course is designed to give students the opportunity to discuss, explore, and learn more about how to be effective parents, including the skills required for clear communication, setting boundaries, developing self-esteem in the child, and practicing discipline. The course is designed with four separate modules.

ECE 106 Parenting Through Participation 1 Unit

Prerequisite: None.
Hours: 54 hours LAB
This course is designed for student-parents who have their children enrolled in the Child Development center on campus. The focus of the course is on basic parenting skills through weekly participation at the center (three hours per week) and lecture/workshops throughout the semester.

ECE 190 The Art of Storytelling and Expressive Listening 2 Units

Prerequisite: None.
Hours: 36 hours LEC
This course introduces students to storytelling in both its traditional and contemporary uses. The effective use of oral language for sharing stories, myths, epics, legends, and fables in and out of the classroom will be developed. Time will be spent on improvisational storytelling, tandem and group storytelling, and group participation storytelling.

ECE 294 Topics in Early Childhood Education .5-4 Units

Prerequisite: None.
Hours: 72 hours LEC
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 1-3 Units

Prerequisite: None.
Hours: 162 hours LEC
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 .5-4 Units

Prerequisite: None
Hours: 54 hours LEC
See Experimental Offerings.

ECE 300 Introduction to Principles and Practices in Early Childhood Education 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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. (C-ID ECE 120)

ECE 302 Computer Skills for Educators 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
This course is an orientation to family child care. It includes local regulations, health and safety, curriculum, behavior management, and business requirements of in-home child care services.

ECE 312 Child Development 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 340 and ESLW 340 and ESL 114; and LIBR 318 with grades of "C" or better
General Education: AA/AS ARea V(b); CSU Area D7; CSU Area D9; CSU Area E1; IGETC Area 4G; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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, nursing, early childhood education, and parenting. (C-ID CDEV 100)

ECE 314 The Child, the Family and the Community 3 Units

Same As: SOC 312
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 340 and ESLW 340 and ESL 114; or ECE 312; and LIBR 318 with grades of "C" or better
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D0; CSU Area D7; CSU Area E1; IGETC Area 4G; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. Influences on growth and development including media, social class, gender, sexual orientation, racial/ethnic groups, and their relationship to family behavior will be studied. Students will identify and evaluate personal family dynamics and consequences. Students may receive credit for ECE 314 or SOC 312, but not both. (C-ID CDEV 110)

ECE 320 Curriculum and Interactions in Early Childhood Education 4 Units

Prerequisite: ECE 300 and ECE 312 with grades of "C" or better
Enrollment Limitation: Students must show proof of negative T.B. test prior to participating in the lab.
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
This course offers students the opportunity to integrate theory into practice as they work planning, implementing, and evaluating classroom activities, assessing individual children's strengths and learning needs, and participating in the routine of a 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 section. 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 as a fundamental part of curriculum design 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. (C-ID ECE 120)

ECE 321 Advanced Practicum in Early Childhood Education 4 Units

Prerequisite: ECE 300, 312, and 320 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
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. 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 selected schools for supervised laboratory 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. (C-ID ECE 210)

ECE 322 Promoting Children's Social Competence 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 326 Making Learning Visible Through Observation and Documentation 3 Units

Prerequisite: ECE 300 and 312 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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. (C-ID ECE 200)

ECE 330 Infant and Toddler Development 3 Units

Prerequisite: None.
Advisory: ENGRD 110, ENGWR 101, and LIBR 318; with a grades of C or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ECE 312 or 330 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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. Students may concurrently register in ECE 334.

ECE 334 Laboratory with Infants and Toddlers 1 Unit

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
Course Transferable to CSU
Hours: 54 hours LAB
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. A current clearance for tuberculosis is required prior to participating in lab hours.

ECE 342 Constructive Math and Science in Early Childhood Education 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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.

ECE 343 Language and Literacy Development in Early Childhood 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This course will prepare early childhood educators to recognize, understand, and enhance the emergent language and literacy experiences of young children. The knowledge of developmentally appropriate language and literacy instructional practices will improve early childhood educators' abilities to support young children from birth to age 5 in building a strong foundation for learning to use language, both spoken and written, in the primary grades.

ECE 350 Introduction to Elementary Teaching with Field Experience 3 Units

Prerequisite: None.
Advisory: ECE 312 with a grade of "C" or better.
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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is a career exploration course with an early field experience for those students considering the field of K-8 teaching. It includes a supervised field placement of three hours weekly in a local elementary school in addition to weekly class meetings on campus. Course content includes the profession and culture of teaching, observation skills, communication skills, diversity, and social issues. Students' field experiences will integrate and apply the course content.

ECE 356 Programs for the School-Age Child 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 340 and ESLW 340 and ESL 114; and ECE 312; and ECE 314 or SOC 312; and LIBR 318 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
Students will be introduced to the fundamentals of planning, implementing, and evaluating programs for the before- and after-school care of school-age children (K-8). Emphasis will be placed on day-to-day program operation, teaching strategies, developmental levels of the school-age child, and age-appropriate activities. Assignments are incorporated for students to observe and evaluate school-age care programs in our community.

ECE 358 Activities for the School-Age Child 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 340 and ESLW 340 and ESL 114; and ECE 312; and ECE 314 or SOC 312; and ECE 356; and LIBR 318 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
Students will study developmentally appropriate activities for the school-age child (K-8). Topics include conflict management, arts and crafts, diversity, music, movement, science, nature, and drama. Students will explore other topics such as cooperative program planning, environments, guidance techniques, and the importance of positive interpersonal relationships between the adults and the children in a school-age care program. As a semester project, the design, implementation, and evaluation of school-age activities become the responsibility of the students.

ECE 360 Art in Early Childhood 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This course is a study of the use of creative visual art in early childhood education programs. The appropriate use of art materials and activities for children at different developmental stages will be reinforced. Children's use of creative arts to represent their experiences and feelings will be examined as a developmental stage in the use of symbols and the development of literacy. The integration of creative art processes across the curriculum and the adaptation of these processes to support young children's development will be emphasized.

ECE 362 Music for Children 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This course provides the fundamentals of music for early childhood professionals working with children from infancy through early childhood. Theoretical perspectives are blended with practical classroom applications. The use of music and movement to develop pre-academic skills, in classroom management, for community building, and to facilitate transitions will be presented. The course explores the place of children's music and movement in various cultures and traditions and teaches how to involve children in the diversity of musical traditions.

ECE 400 Children with Exceptional Needs 3 Units

Prerequisite: ECE 312 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
This course is an overview of the developmental issues, characteristics, and learning differences of children from birth to 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 402 Infants with Atypical Development 3 Units

Prerequisite: None.
Advisory: ECE 330 and ECE 312 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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, gross and fine motor control, cognition, language, social, and self-help skills. The course will explore community services, agencies, career and vocational opportunities in fields related to the infant with atypical development, medicine, nursing, physical therapy, special education, counseling, social work, institutional settings, and aide positions.

ECE 406 Field Experience Working with Children with Special Needs 4 Units

Prerequisite: ECE 300 and 400 with grades of "C" or better
Enrollment Limitation: Students must show proof of negative T.B. tests prior to participating in the lab.
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
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, and/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 410 Health and Safety in Child Care Settings 1 Unit

Same As: HEED 330
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC
This course covers health and safety issues in child care centers and family day care homes. Topics include pediatric cardiopulmonary resuscitation, pediatric first aid, and preventive health practices such as control of infectious diseases, injury prevention, nutrition, sanitation, and emergency preparedness and evacuation. This course meets requirements of mandated training for child care providers. Student may receive credit for ECE 410 or HEED 330, but not both.

ECE 415 Children's Health, Safety and Nutrition 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 340 and ESLW 340 and ESL 114; and LIBR 318; and MATH 34; and ECE 410 or HEED 330; and ECE 312; and ECE 314 or SOC 312; and NUTRI 300 with grades of "C" or better
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to CSU
Hours: 54 hours LEC
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. Projects related to health, safety, and nutrition education as well as optional field trips may be included as part of the curriculum. (C-ID ECE 220)

ECE 419 Healthy Young Children in Group Care 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
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, and emergency preparedness. This course meets the requirements of mandated health and safety training for family child care providers.

ECE 420 Administration I: Programs in Early Childhood Education 3 Units

Prerequisite: ECE 300 and 312 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ECE 320 or 420 with a grade of "C" or better
Advisory: At least one year of experience working with children in a child care and development program.
Course Transferable to CSU
Hours: 54 hours LEC
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 2 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ECE 312 with grades "C" or better
General Education: AA/AS Area VI
Course Transferable to CSU
Hours: 54 hours LEC
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 helping children negotiate and resolve conflicts caused by cultural differences, with a focus on using an anti-bias approach in the classroom. (C-ID ECE 230)

ECE 450 Science Activities for School-Age Children 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 340 and ESLW 340 and ESL 114; and LIBR 318; and ECE 356; and ECE 358; and ECE 312; and ECE 314 or SOC 312; and MATH 34 with grades of "C" or better
Enrollment Limitation: Current TB clearance.
Course Transferable to CSU
Hours: 54 hours LEC
Students will be introduced to science education appropriate for school-aged children. The developmental areas and characteristics of children this age will be emphasized in the choice of teaching strategies. A hands-on approach will be emphasized, using inquiry-based materials.

ECE 455 Environment Rating Scales in Early Childhood Programs 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
This course examines Environment Rating Scales (Infant/Toddler, Early Childhood, School Age Programs and Family Child Care) as tools for quality improvement in a variety of child development programs. Emphasis is given to theory and best practices in order to evaluate classrooms, materials, and interactions between adults and children.

ECE 495 Independent Studies in Early Childhood Education 1-3 Units

Prerequisite: ECE 312 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 162 hours LEC
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 1-4 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 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 must show proof of negative T.B. tests prior to employment or volunteering in an early care and education program.
Course Transferable to CSU
Hours: 18 hours LEC; 162 hours LAB
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 and together with the employer and college instructor establish learning objectives for the semester. Enrollment is dependent on employment or on availability of voluntary work placement. The student is required to fulfill 18 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.

ECE 499 Experimental Offering in Early Childhood Education .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental 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.

Economics ECON

Division of Business and Computer Information Science
Deborah Saks, Dean
Business Building 213
916-558-2581

Economics (ECON)

ECON 100 Introduction to Economics 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b)
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

ECON 302 Principles of Macroeconomics 3 Units

Prerequisite: MATH 120 or MATH 124 with a grade of "C" or better; or one full year of High School Algebra II with grades of "C" or better in each semester; or through the assessment process.
General Education: AA/AS Area V(b); CSU Area D2; IGETC Area 4B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course describes the interaction among households, business, government, and the foreign sectors of the economy. It relates the link between money, interest rates, government expenditure, and taxation, in determining the levels of output, employment, prices, incomes, national debt, and balance of trade. (C-ID ECON 202)

ECON 304 Principles of Microeconomics 3 Units

Prerequisite: MATH 120 or MATH 124 with a grade of "C" or better; or one full year of High School Algebra II with grades of "C" or better in each semester; or through the assessment process.
General Education: AA/AS Area V(b); CSU Area D2; IGETC Area 4B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ECON 201)

ECON 310 Economic Statistics 3 Units

Prerequisite: MATH 120 and 124 with grades of "C" or better; An Intermediate Algebra prerequisite is required for articulation with CSU campuses.
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

ECON 330 Investments and Financial Management 3 Units

Same As: BUS 325
Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental Offering. 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.

Education/Teaching

Degree:
AA-T - Elementary Teacher Education for Transfer

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Associate Degree for Transfer
A Degree with a Guarantee.

Elementary Teacher Education

Associate in Arts for Transfer

Program Information
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 campus. 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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Career Opportunities
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 courses in the degree are liberal studies courses which offer a broad educational foundation useful in many careers.

Upon completion of this program, the student will be able to:
- clarify and articulate career goals of becoming an elementary 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 gaining knowledge and teaching it to others.
- demonstrate the breadth of knowledge necessary for teaching in a classroom with multiple subject areas.

Required Program	**Units**
BIOL 308 Contemporary Biology	3
BIOL 309 Contemporary Biology Laboratory	1
CHEM 300 Beginning Chemistry (4)	4
or CHEM 330 Adventures in Chemistry (4)	
COMM 301 Introduction to Public Speaking	3
COMM 315 Persuasion (3)	3
or COMM 316 Advanced Argumentation and Critical Thinking (3)	
or SOC 305 Critical Thinking in the Social Sciences (3)	
or ENGWR 302 Advanced Composition and Critical Thinking (3)	
or ENGWR 482 Honors Advanced Composition and Critical Thinking (3)	
ECE 312 Child Development	3
ECE 314 The Child, the Family and the Community (3)	3
or SOC 312 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
or ENGWR 480 Honors College Composition (3)	
ENGWR 301 College Composition and Literature	3
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 (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
MUFHL 305 Music Appreciation (3)	3
or TA 300 Introduction to the Theatre (3)	
or ARTH 300 Introduction to Art (3)	
PHYS 310 Conceptual Physics	3
POLS 301 Introduction to Government: United States (3)	3
or POLS 481 Introduction to Government: United States - Honors (3)	
Total Units Required	**57**

Associate in Arts for Transfer Degree
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.

Electronics Technology ET

Degrees:
- **A.S. – Automated Systems Technician**
- **A.S. – Electronics Facilities Maintenance Technician**
- **A.S. – Microcomputer Technician**
- **A.S. – Telecommunications Technician**

Certificates of Achievement:
- **Automated Systems Technician**
- **Electronics Facilities Maintenance Technician**
- **Microcomputer Technician**
- **Telecommunications Technician**
- **Electronics Mechanic**

Division of Advanced Technology
Donnetta Webb, Dean
Technology 106
916-558-2491

Automated Systems Technician

Associate in Science Degree
Certificate of Achievement

Program Information
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), laboratory materials fees may be required. Students will be responsible for providing some of their own parts and a basic Electronics tool kit. These will be available as ready-made sets in the College Store. 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.

Career Opportunities
This program is designed for students pursuing employment in the programming, testing, repair, and maintenance of digital and analog computer controlled systems.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051100C01

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.

Required Program	**Units**
ET 305 DC/AC Theory and Circuit Fundamentals	5
ET 306 Electronics Fabrication and Soldering Techniques	2
ET 314 Mathematics for DC/AC Theory and Circuit Fundamentals	3
ET 315 Mathematics for Semiconductor Theory	3
ET 320 Semiconductor Theory	5
ET 330 Analog and Digital Integrated Circuit Applications	5
ET 340 Basic Microprocessors	5
ET 360 Electronic Servicing and Calibration Techniques	3
ET 390 Microprocessor Systems - Troubleshooting	3
ET 400 Microwave Communications Techniques	4
CISC 310 Introduction to Computer Information Science	3
ET 491 Advanced Student Projects Laboratory I	2
ET 492 Advanced Student Projects Laboratory II	2
Total Units Required	**45**

Associate in Science (A.S.) Degree
The Associate in Science Degree may be obtained by completion of requirements in the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better.

Electronics Facilities Maintenance Technician

Associate in Science Degree
Certificate of Achievement

Program Information
The Electronic Facilities Maintenance Technician Program consists of courses from basic electronic concepts and safety to courses in power distribution and facilities controls. It is designed to prepare students for employment in the transportation and power industries.

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), laboratory materials fees may be required. Students will be responsible for providing some of their own parts and a basic Electronics tool kit. These will be available as ready-made sets in the College Store. 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.

Career Opportunities
This program is designed for students pursuing internships and employment in the Federal Aviation Administration and other related industries in the areas of computer systems, environmental systems, communication equipment, and navigation equipment maintenance and repair.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051288C01

Upon completion of this program, the student will be able to:
- demonstrate safe work practices for electronic facilities equipment.
- demonstrate the proper use of electronic test equipment to include digital multimeters, oscilloscopes, signal sources, and supplies.
- use a standard schematic diagram of an electronic system to identify and test its parts.
- explain common electronic facilities systems terminology.
- estimate electronic facilities circuit performance using mathematical tools.
- analyze and compare calculated electronic facilities circuit performance to actual performance.
- measure common electronic facilities circuit parameters using appropriate test equipment.
- set up and install basic electronic facilities system equipment.
- design proper preventive maintenance, calibration, and system testing procedures for facilities equipment.
- perform proper preventive maintenance, calibration, and system testing on electronic facilities equipment.
- diagnose common electronic system failures down to the source of the problem.
- solve electronic system problems by replacing failed hardware or software parts.

Required Program	**Units**
ET 305 DC/AC Theory and Circuit Fundamentals	5
ET 306 Electronics Fabrication and Soldering Techniques	2
ET 314 Mathematics for DC/AC Theory and Circuit Fundamentals	3
ET 315 Mathematics for Semiconductor Theory	3
ET 320 Semiconductor Theory	5
ET 330 Analog and Digital Integrated Circuit Applications	5
ET 340 Basic Microprocessors	5
ET 350 Receiver Circuits	5
ET 390 Microprocessor Systems - Troubleshooting	3
ET 400 Microwave Communications Techniques	4
ET 410 Transmitter Fundamentals	5
MATH 335 Trigonometry with College Algebra (5)	5
Total Units Required	**50**

Suggested Electives
CISC 310, EDT 310, 352

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Electronics Mechanic

Certificate of Achievement

Program Information
The Electronic Mechanic Program consists of courses from basic electronic concepts and safety to courses in the introduction of semiconductor devices. It is designed to prepare students for entry level employment positions such as an electronic technicians apprentice.

Career Opportunities
This program is designed for students pursuing employment in the assembly and testing of electronic circuit devices.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051104C01

Program Costs
In addition to the normal student expenses (for textbooks, personal equipment and supplies), laboratory materials fees may be required. Students will be responsible for providing some of their own parts and a basic Electronics tool kit. These will be available as ready-made sets in the College Store. 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.

Recommended High School Preparation
Courses in electricity, electronics, English, algebra, physics, chemistry, and computers

Upon completion of this program, the student will be able to:
- demonstrate safe work practices for electronic equipment.
- demonstrate the proper use of basic electronic test equipment to include digital multimeters, oscilloscopes, and power sources.
- use a standard schematic diagram of electronic devices to identify and assemble the component parts.
- explain common electronic circuit terminology.
- estimate electronic circuit performance using mathematical tools.
- analyze and compare calculated electronic circuit performance to actual performance.
- measure common electronic circuit parameters.
- implement performance testing on simple electronic devices.

Required Program	**Units**
ET 305 DC/AC Theory and Circuit Fundamentals	5
ET 306 Electronics Fabrication and Soldering Techniques	2
ET 314 Mathematics for DC/AC Theory and Circuit Fundamentals	3
ET 315 Mathematics for Semiconductor Theory	3
ET 320 Semiconductor Theory	5
A minimum of 13 units from the following:	13
CISC 310 Introduction to Computer Information Science (3)	
ET 490 Advanced Student Projects Laboratory (2)	
ET 494 Topics in Electronics Technology (0.5 – 4)	
ET 495 Independent Studies in Electronics Technology (1 – 3)	
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)	
Total Units Required	**31**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

Microcomputer Technician

Associate in Science Degree
Certificate of Achievement

Program Information
The Microcomputer Technician Program consists of courses from the Computer Information Science department and the Electronic Technology department. It is designed to prepare students for entry level employment as a technician in the repair, installation and maintenance of individual computers and network systems.

Career Opportunities
This program is designed for Electronics Technology and Computer Information Science students pursuing employment in the area of programming and maintaining microcomputer systems.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051263C01

Program Costs
In addition to the normal student expenses (for textbooks, personal equipment and supplies), laboratory materials fees may be required. Students will be responsible for providing some of their own parts and a basic Electronics tool kit. These will be available as ready-made sets in the College Store. 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.

Recommended High School Preparation
Courses in electricity, electronics, English, algebra, physics, chemistry and computers.

Upon completion of this program, the student will be able to:
- use the operating system on a personal computer to manipulate files and folders.
- use the operating system on a personal computer to configure hardware and applications.
- explain common computer terminology used in computer information science and electronics technology.
- diagnose common computer errors that occur because of hardware, software, or network problems.
- predict common computer error solutions in hardware, software, or network systems.
- resolve common computer errors that occur in hardware, software, or network systems.

Required Program	Units
CISC 310 Introduction to Computer Information Science	3
CISP 301 Algorithm Design and Implementation	4
CISC 320 Operating Systems (1)	1
or CISC 323 Linux Operating System (1)	
CISA 310 Introduction to Electronic Spreadsheets	1
CISA 311 Intermediate Electronic Spreadsheets	1
CISA 323 Database Management using Microsoft Access	2
CISC 360 Microcomputer Support and Maintenance (4)	4
or ET 140 Smart Computing Device System Repair I (4)	
ET 340 Basic Microprocessors	5
ET 390 Microprocessor Systems - Troubleshooting	3
CISC 355 Introduction to Data Communications (1.5)	1.5 - 3
or CISN 300 Network Systems Administration (3)	
or CISN 303 Network Administration - Linux Server (3)	
ET 491 Advanced Student Projects Laboratory I (2)	2
or ET 492 Advanced Student Projects Laboratory II (2)	
A minimum of 4 units from the following:	4
ET 305 DC/AC Theory and Circuit Fundamentals (5)	
ET 306 Electronics Fabrication and Soldering Techniques (2)	
ET 314 Mathematics for DC/AC Theory and Circuit Fundamentals (3)	
ET 320 Semiconductor Theory (5)	
EDT 310 Computer Aided Drafting (3)	
EDT 352 Electrical Design Documents (3)	
CISN 300 Network Systems Administration (3)	
CISC 351 Introduction to Local Area Networks (1)	
CISN 303 Network Administration - Linux Server (3)	
CISN 304 Networking Technologies (3)	
Total Units Required	**31.5 – 33**

Associate in Science (A.S.) Degree
The Associate in Science Degree may be obtained by completion the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better in all courses or equivalent.

Telecommunications Technician

Associate in Science Degree
Certificate of Achievement

Program Information
The Telecommunications Technician Program consists of courses from basic electronic concepts and safety to courses in computerized receiver and transmitter systems. It is designed to prepare students for employment as technicians in the wired and wireless communication of electronic information.

Career Opportunities
This program is designed for students pursuing employment in the calibration, testing, repair, and maintenance of electronic communications equipment.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051106C01

Program Costs
In addition to the normal student expenses (for textbooks, personal equipment and supplies), laboratory materials fees may be required. Students will be responsible for providing some of their own parts and a basic Electronics tool kit. These will be available as ready-made sets in the College Store. 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.

Recommended High School Preparation
Courses in electricity, electronics, English, algebra, physics, chemistry, and computers.

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 DMM, 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.

Required Program	Units
ET 305 DC/AC Theory and Circuit Fundamentals	5
ET 306 Electronics Fabrication and Soldering Techniques	2
ET 314 Mathematics for DC/AC Theory and Circuit Fundamentals	3
ET 315 Mathematics for Semiconductor Theory	3
ET 320 Semiconductor Theory	5
ET 330 Analog and Digital Integrated Circuit Applications	5
ET 340 Basic Microprocessors	5
ET 350 Receiver Circuits	5
ET 360 Electronic Servicing and Calibration Techniques (3) or ET 390 Microprocessor Systems - Troubleshooting (3)	3
ET 400 Microwave Communications Techniques	4
ET 410 Transmitter Fundamentals	5
Total Units Required	**45**

Suggested Electives
CISC 310, 355; CISN 300, EDT 310, 352

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better in all courses or equivalent.

Electronics Technology (ET)

ET 140 Smart Computing Device System Repair I — 4 Units

Prerequisite: None.
Hours: 48 hours LEC; 72 hours LAB
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 — 3 Units

Prerequisite: ET 140 with a grade of "C" or better
Hours: 36 hours LEC; 54 hours LAB
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 210 Applied Mathematics for Electronics — 3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 — 5 Units

Prerequisite: ET 210 and 230 with grades of "C" or better or equivalent.
Hours: 54 hours LEC; 108 hours LAB
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 — 1 Unit

Prerequisite: None.
Advisory: Concurrent enrollment in ET 210.
Hours: 54 hours LAB
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 — 5 Units

Prerequisite: ET 220 with a grade of "C" or better or equivalent.
Hours: 54 hours LEC; 108 hours LAB
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 — 1-3 Units

Prerequisite: None.
Hours: 162 hours LAB
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 — .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

ET 305 DC/AC Theory and Circuit Fundamentals — 5 Units

Prerequisite: One year of high school algebra with a grade of "C" or better, or qualifying mathematics assessment test scores or equivalent.
Corequisite: ET 306 and 314
Course Transferable to CSU
Hours: 54 hours LEC; 108 hours LAB
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. This course was formerly known as ET 300 and ET 301.

ET 306 Electronics Fabrication and Soldering Techniques 2 Units

Prerequisite: None.
Advisory: Successful completion of or concurrent enrollment in ET 305.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
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 3 Units

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
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ET 305, 306, and 314 with grades of "C" or better; ET 300, 301, 310, and 311 with grades of "C" or better.
Advisory: Concurrent enrollment in ET 320 and 330.
Course Transferable to CSU
Hours: 54 hours LEC
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.

ET 320 Semiconductor Theory 5 Units

Prerequisite: ET 305 and ET 314, with grades of "C" or better or equivalent.
Advisory: Concurrent enrollment in ET 315.
Course Transferable to CSU
Hours: 54 hours LEC; 108 hours LAB
This course provides a detailed study of diodes, transistors, field-effect transistors (FET), linear integrated circuits (IC), and their use in power supplies and AC and DC small signal and large signal amplifiers. Laboratory will stress the troubleshooting and repair of each type of power supply and amplifier circuit.

ET 330 Analog and Digital Integrated Circuit Applications 5 Units

Prerequisite: ET 305 and ET 314, with grades of "C" or better or equivalent.
Advisory: Concurrent enrollment in ET 315 and 320.
Course Transferable to CSU
Hours: 54 hours LEC; 108 hours LAB
This course focuses on logic gates and truth tables for TTL and CMOS circuits. Theory and practical applications of decoders, flip-flops, latches, and counters will be covered. Theory and practical applications for operational amplifiers and comparators will be covered. Theory and applications of timers, phase-lock loops, op-amp integrators and active filters will be covered.

ET 340 Basic Microprocessors 5 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC; 108 hours LAB
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 stressed.

ET 350 Receiver Circuits 5 Units

Prerequisite: ET 315, 320, and 330 with grades of "C" or better or equivalent.
Course Transferable to CSU
Hours: 54 hours LEC; 108 hours LAB
This course focuses on the principles of radio receivers using AM, FM, and single sideband modulation systems. The course will also present associated control circuits and power supply circuitry for receivers.

ET 360 Electronic Servicing and Calibration Techniques 3 Units

Prerequisite: ET 315, 320, and 330 with grades of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 to the art of troubleshooting techniques on all the electronic equipment available in the electronics laboratory.

ET 390 Microprocessor Systems - Troubleshooting 3 Units

Prerequisite: ET 340 with a grade of "C" or better or equivalent.
Course Transferable to CSU
Hours: 18 hours LEC; 108 hours LAB
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 4 Units

Prerequisite: ET 315, 320, and 330 with grades of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
This course is a study of electromagnetic waves and antennas. The course will present 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 will also be presented.

ET 410 Transmitter Fundamentals 5 Units

Prerequisite: ET 315, 320, and 330 with grades of "C" or better or equivalent.
Course Transferable to CSU
Hours: 54 hours LEC; 108 hours LAB
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 will be presented with symptoms of malfunctions and remedies in troubleshooting transmitters.

ET 491 Advanced Student Projects Laboratory I 2 Units

Prerequisite: ET 306 with a grade of "C" or better
Corequisite: ET 305
Advisory: ET 340; with a grade of "C" or better
Course Transferable to CSU
Hours: 108 hours LAB
This course provides an opportunity for students to pursue advanced electronics projects to learn and practice skills needed in the construction, installation, maintenance, and repair of electronic devices.

ET 492 Advanced Student Projects Laboratory II 2 Units

Prerequisite: ET 306 with a grade of "C" or better
Corequisite: ET 340
Advisory: ET 305; with a grade of "C" or better
Course Transferable to CSU
Hours: 108 hours LAB
This course provides an opportunity for students to further pursue advanced electronics projects to learn and practice skills needed in the construction, installation, maintenance, and repair of electronic devices.

ET 494 Topics in Electronics Technology .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 9 hours LEC; 216 hours LAB
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 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC; 162 hours LAB
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 1-4 Units

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.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
This course provides students with opportunities to develop or add marketable skills related to their vocational study programs. Course content will include understanding the application of the student's education to the workforce; the responsibilities of an internship (where applicable); completion of Title V Education Code papers (the student's Application, Learning Objectives, Time sheet, and Evaluations), which document the student's progress and hours spent at the work or internship site; and developing workplace (soft) skills identified by the Secretary's Commission on Achieving Necessary Skills (SCANS) Competencies, as well as by local employers. 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 transfer student to combine practical, paid or non-paid work experience with college training. Only one Work Experience course may be taken per semester.

ET 499 Experimental Offering in Electronics Technology .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offerings

Engineering ENGR

Degrees:
- **A.S. – Civil Engineering**
- **A.S. – Electrical/Computer Engineering**
- **A.S. – Engineering General**
- **A.S. – Mechanical/Aeronautical Engineering**

Division of Mathematics/Statistics & Engineering
Anne E. Licciardi, Dean
South Gym 220
916-558-2202

Civil Engineering

Associate in Science Degree

Program Information
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.

Upon completion of any one or more of these programs, the student will be able to:
- solve problems by applying knowledge of mathematics through differential and integral calculus, differential equations and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance their 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.

Required Program	**Units**
CHEM 400 General Chemistry	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	3
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	**50 – 51**

Additional Civil Engineering requirements (consult the Engineering Department Chair and Counseling)

ENGR 310 Engineering Survey Measurements	4
MATH 410 Introduction to Linear Algebra	3
PHYS 430 Heat, Waves, Light and Modern Physics (5)	5
or CHEM 401 General Chemistry (5)	
Units	**12**
Total Units Required	**62 – 63**

Associate in Science (A.S.) Degree
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.

Electrical/Computer Engineering

Associate in Science Degree

Program Information
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.

Upon completion of any one or more of these programs, the student will be able to:
- solve problems by applying knowledge of mathematics through differential and integral calculus, differential equations and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance their 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.

Required Program	Units
CHEM 400 General Chemistry	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 with the Engineering Department Chair and Counseling)

CISP 310 Assembly Language Programming for Microcomputers	4
ENGR 412 Properties of Materials	3
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 (5)	
Units	**18**
Total Units Required	**59 – 60**

Associate in Science (A.S.) Degree
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.

Engineering, General

Associate in Science Degree

Program Information
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.

Upon completion of any one or more of these programs, the student will be able to:
- solve problems by applying knowledge of mathematics through differential and integral calculus, differential equations and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance their 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.

Required Program	Units
CHEM 400 General Chemistry	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 the Engineering Department Chair and Counseling)

ENGR 312 Engineering Graphics	3
ENGR 412 Properties of Materials	3
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 (5)	
Units	**17**
Total Units Required	**58 – 59**

Associate in Science (A.S.) Degree
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.

Mechanical/Aeronautical Engineering

Associate in Science Degree

Program Information
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.

Upon completion of any one or more of these programs, the student will be able to:

- solve problems by applying knowledge of mathematics through differential and integral calculus, differential equations and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance their 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.

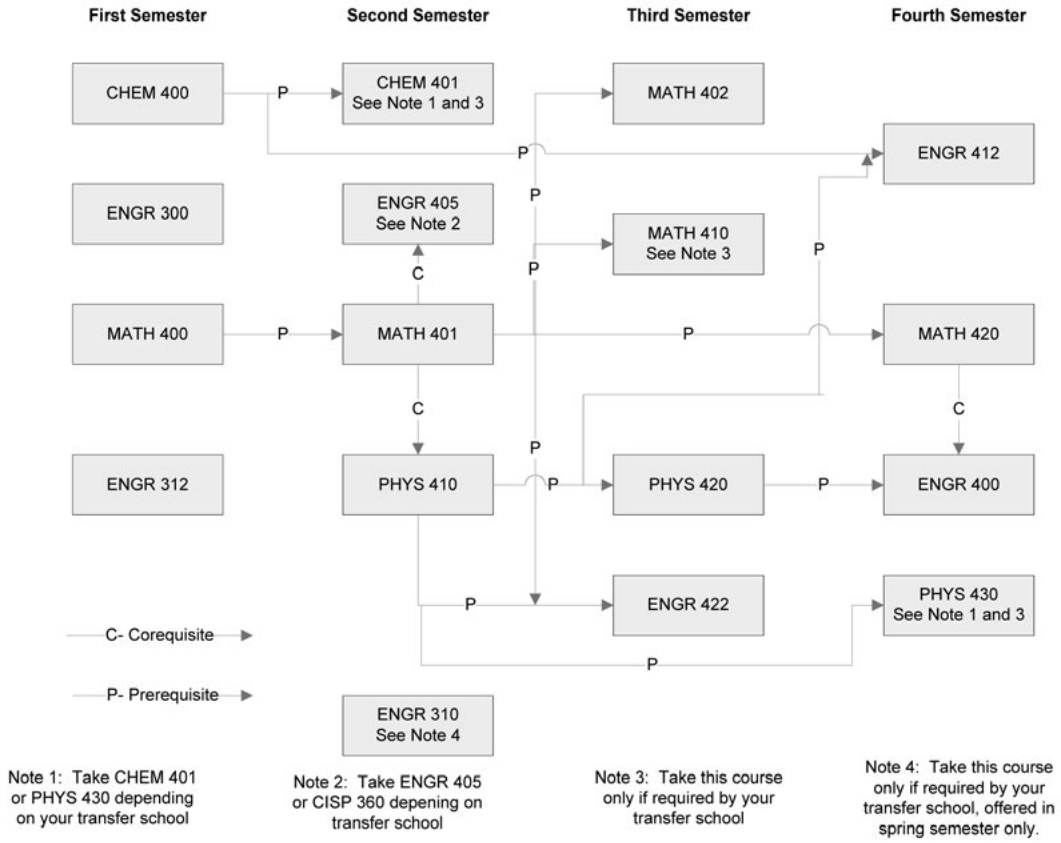
Required Program	**Units**
CHEM 400 General Chemistry	5
ENGR 300 Introduction to Engineering	1
ENGR 312 Engineering Graphics	3
ENGR 400 Introduction to Electrical Circuits and Devices	3
ENGR 405 Engineering Problem Solving (3)	3 – 4
or CISP 360 Introduction to Structured Programming (4)	
ENGR 412 Properties of Materials	3
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	**50 – 51**

Additional General Engineering requirements (consult the Engineering Department Chair and Counseling)

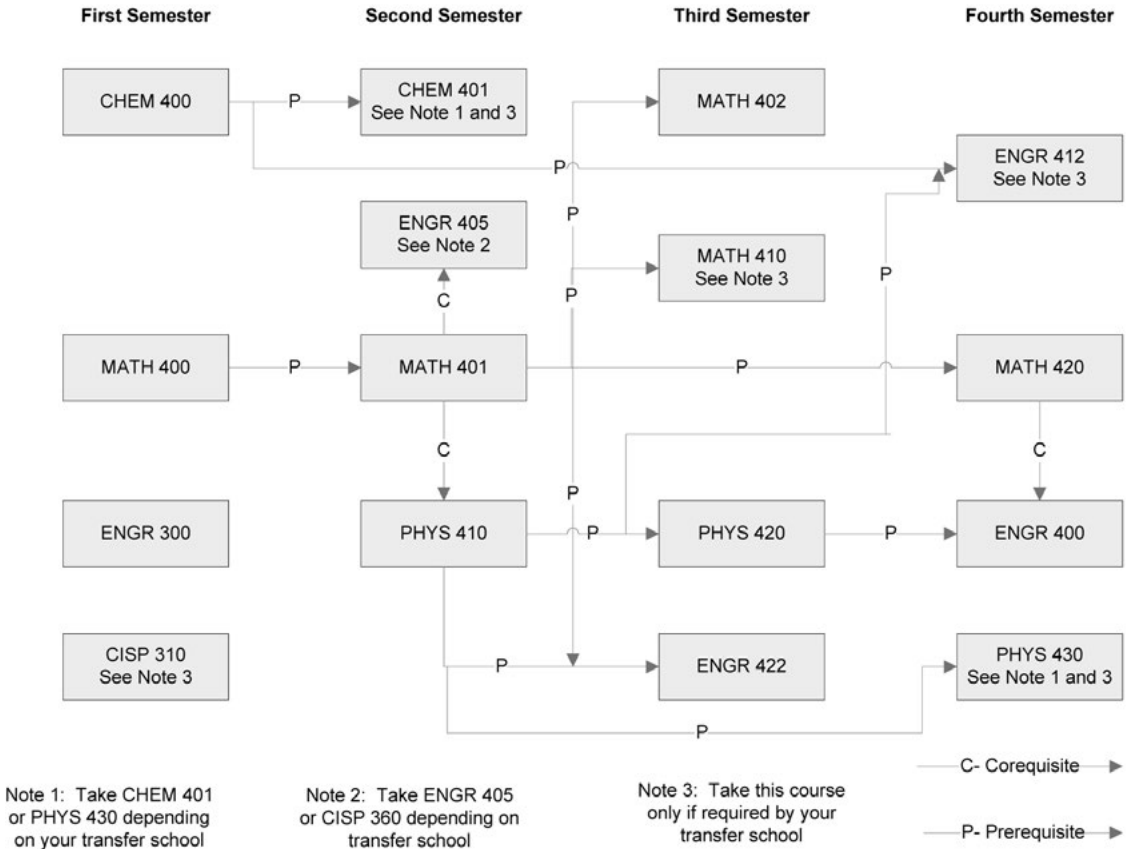
MATH 410 Introduction to Linear Algebra	3
PHYS 430 Heat, Waves, Light and Modern Physics (5)	5
or CHEM 401 General Chemistry (5)	
Units	**8**
Total Units Required	**58 – 59**

Associate in Science (A.S.) Degree
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.

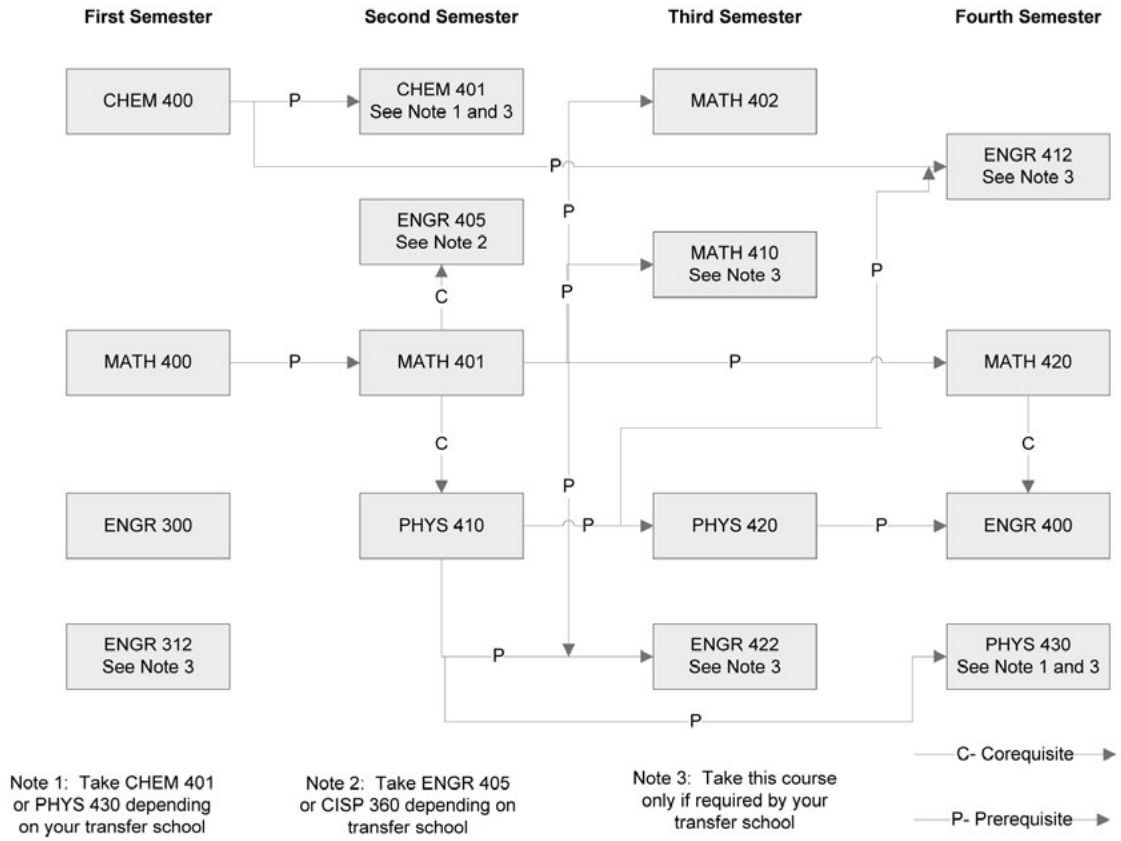
Civil Engineering
Course Flow



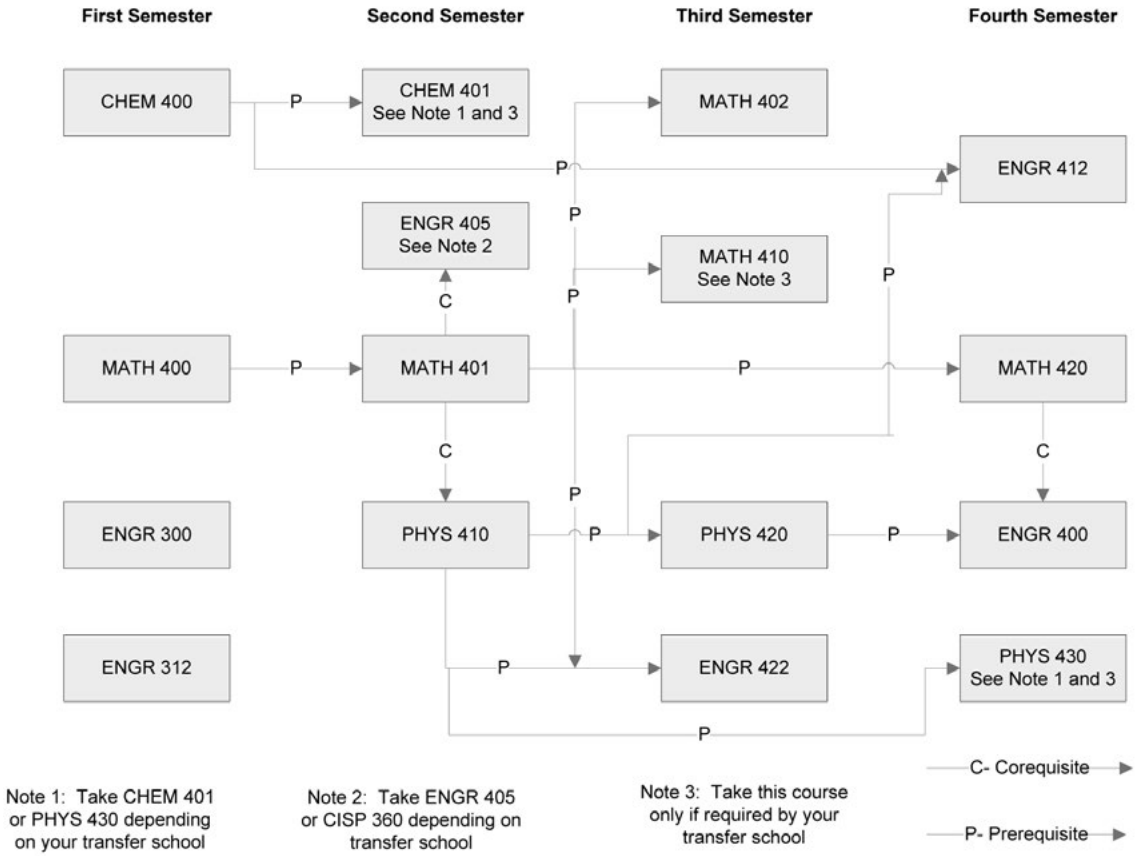
Electrical/Computer Engineering
Course Flow



General (Undecided) Engineering Course Flow



Mechanical/Aeronautical Engineering Course Flow



Engineering (ENGR)

ENGR 300 Introduction to Engineering 1 Unit

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 18 hours LEC
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 4 Units

Prerequisite: MATH 335 with a grade of "C" or better
Advisory: Completion of or concurrent enrollment in a basic drafting course such as ENGR 312.
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: It is expected that the student has experience and knowledge of the use of a personal computer.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 72 hours LAB
Fundamental training is provided 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 3 Units

Prerequisite: PHYS 420 with a grade of "C" or better
Corequisite: MATH 420
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

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 of the use of a personal computer.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: CHEM 400 and PHYS 410 with grades of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: MATH 401 and PHYS 410 with grades of "C" or better
Advisory: Completion of a drafting course prior to enrolling in this course will facilitate the analysis of statics problems.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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, Aeronautical engineering transfer students and by some electrical engineering programs. Contact an engineering instructor and/or the transfer center for specific transfer institution requirements.

ENGR 495 Independent Studies in Engineering 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental 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.

Engineering Design Technology EDT
Surveying (Geomatics) SURVY

Degrees:
- **A.S. – Architectural/Structural Drafting**
- **A.S. – Electric (Power-Lighting Systems)**
- **A.S. – Engineering Design Technology**
- **A.S. – HVAC Systems Design**
- **A.S. – Mechanical (HVAC/Plumbing Systems)**
- **A.S. – Surveying (Geomatics)**

Certificates of Achievement:
- **Architectural/Structural Drafting**
- **Electric (Power-Lighting Systems)**
- **Engineering Design Technology**
- **HVAC Systems Design**
- **Mechanical (HVAC/Plumbing Systems)**
- **Surveying (Geomatics)**

Division of Advanced Technology
Donnetta Webb, Dean
Technology 106
916-558-2491

Architectural/Structural Drafting

Associate in Science Degree
Certificate of Achievement

Program Information
This degree and certificate program is designed for students pursuing employment or upgrade in employment in the fields of building Architectural design utilizing Manual and CAD drafting applications in Architectural, Engineering, 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.

The program is open to all students. For information call 916-650-2758 or 558-2491.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051385C01

Program Costs
Normal student expenses for textbooks, personal equipment and supplies may be 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.

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.

Upon completion of this program, the student will be able to:
- prepare architectural plans for buildings that conform with current industry standards.
- demonstrate an understanding of the process of architectural design by applying design principles to building design projects.

Required Program	**Units**
EDT 300 Basic Technical Drafting	3
EDT 310 Computer Aided Drafting	3
EDT 312 Intermediate Computer Aided Drafting	3
EDT 314 Advanced Computer Assisted Drafting and Design	2
EDT 316 REVIT-Architectural	3
EDT 320 Architectural/Structural Drafting	4
A minimum of 6 units from the following:	6
EDT 332 Air Conditioning, Plumbing and Piping Design Documents (4)	
EDT 336 Air Conditioning System Design (3)	
EDT 340 Plumbing and Piping Systems Design I (3)	
EDT 342 Plumbing and Piping Systems Design II (3)	
EDT 350 Electrical and Electronics Drafting/Design Problem Solving (3)	
EDT 352 Electrical Design Documents (3)	
EDT 356 Building Electrical Systems Design (3)	
EDT 498 Work Experience in Engineering Design Technology (1 -4)	
SURVY 300 Elementary Surveying (4)	
SURVY 310 Survey Map Production (4)	
MATH 335 Trigonometry with College Algebra (5)	
Total Units Required	**24**

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent as determined by the Engineering Design Technology Department.

Electric (Power-Lighting Systems)

Associate in Science Degree
Certificate of Achievement

Program Information
This degree is designed for students pursuing employment or upgrade in employment in the fields of building electrical power and lighting systems design utilizing Manual and CAD drafting applications in Architectural, Engineering, 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.

The program is open to all students. For information call 916-650-2758 or 558-2491.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051386C01

Program Costs
Normal student expenses for textbooks, personal equipment and supplies may be 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.

Upon completion of this program, the student will be able to:
- prepare electrical plans for buildings that conform with current industry standards.
- demonstrate an understanding of the process of electrical design by applying design principles to building design projects.

Required Program	**Units**
EDT 300 Basic Technical Drafting	3
EDT 310 Computer Aided Drafting	3
EDT 312 Intermediate Computer Aided Drafting	3
EDT 314 Advanced Computer Assisted Drafting and Design	2
EDT 317 REVIT-MEP	3
EDT 352 Electrical Design Documents	3
EDT 356 Building Electrical Systems Design	3
A minimum of 7 units from the following:	7
EDT 320 Architectural/Structural Drafting (4)	
EDT 332 Mechanical Design Documents (3)	
EDT 336 Air Conditioning System Design (3)	
EDT 340 Plumbing and Piping Systems Design I (3)	
EDT 342 Plumbing and Piping Systems Design II (3)	
EDT 356 Building Electrical Systems Design (3)	
EDT 498 Work Experience in Engineering Design Technology (1 - 4)	
SURVY 300 Elementary Surveying (4)	
SURVY 310 Survey Map Production (4)	
MATH 335 Trigonometry with College Algebra (5)	
Total Units Required	**27**

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent as determined by the Engineering Design Technology Department.

Engineering Design Technology

Associate in Science Degree
Certificate of Achievement

Program Information
This degree and certificate program is designed for students pursuing employment or upgrade in employment in the fields of building design utilizing Manual and CAD drafting applications in Architectural, Engineering, 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.

The program is open to all students. For information call 916-650-2758 or 558-2491.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051085C01

Program Costs
Normal student expenses for textbooks, personal equipment and supplies may be 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.

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.

Upon completion of this program, the student will be able to:
- prepare architectural, mechanical, and electrical plans for buildings that conform with current industry standards.
- demonstrate an understanding of the process of architectural design, mechanical design, and electrical design by applying design principles to building design projects.

Required Program	Units
EDT 300 Basic Technical Drafting	3
EDT 310 Computer Aided Drafting	3
EDT 312 Intermediate Computer Aided Drafting	3
EDT 314 Advanced Computer Assisted Drafting and Design	2
EDT 316 REVIT-Architectural	3
EDT 317 REVIT-MEP	3
EDT 320 Architectural/Structural Drafting	4
EDT 332 Mechanical Design Documents	3
EDT 336 Air Conditioning System Design	3
EDT 340 Plumbing and Piping Systems Design I	3
EDT 342 Plumbing and Piping Systems Design II	3
EDT 352 Electrical Design Documents	3
EDT 356 Building Electrical Systems Design	3
A minimum of 2 units from the following:	2
EDT 498 Work Experience in Engineering Design Technology (1 - 4)	
EDT 356 Building Electrical Systems Design (3)	
SURVY 300 Elementary Surveying (4)	
SURVY 310 Survey Map Production (4)	
MATH 335 Trigonometry with College Algebra (5)	
Total Units Required	**41**

Suggested Elective
HCD 310

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

HVAC Systems Design
CADD (Heating, Ventilating, Air Conditioning)

Associate in Science Degree
Certificate of Achievement

Program Information
This degree is designed for students pursuing employment or upgrade in employment in the fields of Heating, Ventilation, and Air Conditioning (HVAC) systems design utilizing Manual and CAD drafting applications in Architectural, Engineering, 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.

The program is open to all students. For information call 916-558-2232 or 558-2491.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051087C01

Program Costs
Normal student expenses for textbooks, personal equipment and supplies may be 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.

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.

Upon completion of this program, the student will be able to:
- prepare mechanical designs (HVAC) for buildings that conform with current industry standards.
- demonstrate an understanding of the process of mechanical design (HVAC) by applying design principles to building design projects.

Required Program	Units
EDT 300 Basic Technical Drafting	3
EDT 310 Computer Aided Drafting	3
EDT 312 Intermediate Computer Aided Drafting	3
EDT 314 Advanced Computer Assisted Drafting and Design	2
EDT 317 REVIT-MEP	3
EDT 332 Mechanical Design Documents	3
EDT 336 Air Conditioning System Design	3
A minimum of 10 units from the following:	10
EDT 320 Architectural/Structural Drafting (4)	
EDT 340 Plumbing and Piping Systems Design I	
EDT 342 Plumbing and Piping Systems Design II (3)	
EDT 350 Electrical and Electronics Drafting/Design Problem Solving (3)	
EDT 352 Electrical Design Documents (3)	
EDT 356 Building Electrical Systems Design (3)	
EDT 498 Work Experience in Engineering Design Technology (1 - 4)	
MATH 335 Trigonometry with College Algebra (5)	
Total Units Required	**30**

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

Mechanical (HVAC/Plumbing Systems)

Associate in Science Degree
Certificate of Achievement

Program Information
This degree is designed for students pursuing employment or upgrade in employment in the building design fields of Heating, Ventilation and Air Conditioning (HVAC) and Plumbing utilizing Manual and CAD drafting applications in Architectural, Engineering, 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.

The program is open to all students. For information call 916-650-2758 or 558-2491.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051387C01

Program Costs
Normal student expenses for textbooks, personal equipment and supplies may be 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.

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.

Upon completion of this program, the student will be able to:
- prepare mechanical and plumbing plans for buildings that conform with current industry standards.
- demonstrate an understanding of the process of mechanical and plumbing design by applying design principles to building design projects.

Required Program	Units
EDT 300 Basic Technical Drafting	3
EDT 310 Computer Aided Drafting	3
EDT 312 Intermediate Computer Aided Drafting	3
EDT 314 Advanced Computer Assisted Drafting and Design	2
EDT 317 REVIT-MEP	3
EDT 332 Mechanical Design Documents	3
EDT 336 Air Conditioning System Design	3
EDT 340 Plumbing and Piping Systems Design I	3
EDT 342 Plumbing and Piping Systems Design II	3
A minimum of 3 units from the following:	3
EDT 320 Architectural/Structural Drafting (4)	
EDT 350 Electrical and Electronics Drafting/Design Problem Solving (3)	
EDT 352 Electrical Design Documents (3)	
EDT 356 Building Electrical Systems Design (3)	
EDT 498 Work Experience in Engineering Design Technology (1 - 4)	
SURVY 300 Elementary Surveying (4)	
SURVY 310 Survey Map Production (4)	
MATH 335 Trigonometry with College Algebra (5)	
Total Units Required	**29**

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

Surveying (Geomatics)

Associate in Science Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051135C01

Recommended High School Preparation
Courses in algebra, trigonometry, physics, and geography

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.

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.

Required Program	**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)	
GEOG 330 Introduction to Geographic Information Systems (3)	
Total Units Required	**26**

Associate in Science (A.S.) Degree
The Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Engineering Design Technology (EDT)

EDT 300 Basic Technical Drafting 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This is an introductory manual drafting course for design, architectural, and engineering students. Studies include drafting instrument care and use, sketching, scale reading, drafting conventions, lettering, orthographic and pictorial drawings, dimensioning techniques, sections, auxiliary views, and surface developments. The building design process is presented through an architectural design project. Students are required to provide their own drafting equipment.

EDT 302 Building Trades Blueprint Reading 2 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC
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 Computer Aided Drafting 3 Units

Prerequisite: EDT 300 with a grade of "C" or better; or equivalent; or concurrent enrollment in EDT 300.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course is an introduction to computer-assisted drafting (CAD). Topics include, but are not limited to: Entity Editing; Linetypes; Layers; Entity Drawing; Object Snaps; Grips; Polylines; Dimensioning; Multilines; Pictorial Drawings; Program Customization; Drawing Plotting and Printing; Selection Sets and Blocks. Instruction is provided in the commands, application, techniques, standards and settings of CAD software to produce basic technical drawings that conform to current industry standards.

EDT 312 Intermediate Computer Aided Drafting 3 Units

Prerequisite: EDT 300 and EDT 310 with grades of "C" or better; or equivalent.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This is a second course in Computer Aided Drafting (CAD) that emphasizes advanced CAD commands. Topics include but are not limited to: File Management Techniques; CAD Layer Management; Geometric Calculator; Filters and Selection Sets; Dimensioning Settings; AutoCAD Customization; Toolbar and Menu Customization; Macros; POP Sections; Menugroups and Image Tile Menus; Preferences, Profiles; Advanced Plotting Techniques; Attributes; Scripts and Bill of Materials. This course offers in-service training and upward mobility training to the professional CAD drafter. Emphasis is on in-office related production skills and program customization.

EDT 314 Advanced Computer Assisted Drafting and Design 2 Units

Prerequisite: EDT 300 and EDT 310 with grades of "C" or better; or equivalent.
Advisory: EDT 312 with grade "C" or better or equivalent.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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 316 REVIT-Architectural 3 Units

Prerequisite: EDT 300 a with grade of "C" or better; or equivalent. EDT 310 with grades of "C" or better; or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides instruction in the AutoDesk software package REVIT Architecture. Topics covered include but are not limited to: Building Information Modeling (BIM), parametric 3D design, tools for creating and analyzing projects, and automated tools for documentation.

EDT 317 REVIT-MEP 3 Units

Prerequisite: EDT 300 with a grade of "C" or better; or equivalent. EDT 310 with grades of "C" or better; or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides instruction in the AutoDesk software package REVIT 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 Using Pro/E 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides an introduction to Pro/Engineer (Creo Elements) 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 320 Architectural/Structural Drafting 4 Units

Prerequisite: EDT 300 and EDT 310 with grades of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
This course provides instruction in drafting practices involving building construction drawings and specifications and surveying practices related to architectural and engineering construction work.

EDT 330 Air Conditioning, Plumbing and Piping Design 3 Units

Prerequisite: EDT 300 and EDT 310 with grades of "C" or better or equivalent.
Course Transferable to CSU
Hours: 54 hours LEC
This course provides instruction in the design of building heating, ventilation and air conditioning (HVAC), and plumbing and piping systems. Topics include but are not limited to: cooling and heating load calculations, HVAC zoning, systems and equipment selection, ductwork systems, controls, and plumbing and industrial piping systems.

EDT 332 Mechanical Design Documents 3 Units

Prerequisite: EDT 300 and EDT 310 with grades of "C" or better or equivalent.
Advisory: EDT 336; Concurrent enrollment in EDT 336.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 Air Conditioning System Design 3 Units

Prerequisite: None.
Advisory: Concurrent enrollment in EDT 332.
Course Transferable to CSU
Hours: 54 hours LEC
This course focuses on the calculations of heat gain and heat loss in buildings, types of HVAC systems, equipment selection, ductwork design, building environmental comfort considerations, psychrometrics, and building temperature control systems. EDT 332 should be taken concurrently with this course.

EDT 340 Plumbing and Piping Systems Design I 3 Units

Prerequisite: None.
Advisory: EDT 300 with a grade of "C" or better; or equivalent. Concurrent enrollment in EDT 342.
Course Transferable to CSU
Hours: 54 hours LEC
This course provides instruction in the design of domestic water supply, water heating, and gas piping systems for residential, and commercial buildings including, study of the materials, methods, codes, and practices. EDT 342 should be taken concurrently with this course.

EDT 342 Plumbing and Piping Systems Design II 3 Units

Prerequisite: None.
Advisory: EDT 300 with a grade of "C" or better; or equivalent. Concurrent enrollment in EDT 340.
Course Transferable to CSU
Hours: 54 hours LEC
This course provides instruction in the design of plumbing waste, vent, storm drainage, and fuel gas piping systems for residential and commercial buildings including study of the materials, methods, codes, and practices. EDT 340 should be taken concurrently with this course.

EDT 350 Electrical and Electronics Drafting/Design Problem Solving 3 Units

Prerequisite: None.
Advisory: Concurrent enrollment in EDT 352.
Course Transferable to CSU
Hours: 54 hours LEC
This course involves problem solving related to electrical and electronics drafting, formula solutions, application of Ohms Law, series-parallel circuitry, inductors, capacitors electric motors, electrical power formulas, voltage loss and general lighting calculations. EDT 352 should be taken concurrently with this course.

EDT 352 Electrical Design Documents 3 Units

Prerequisite: EDT 300 and EDT 310 with grades of "C" or better or equivalent.
Advisory: Concurrent enrollment in EDT 350, or EDT 356.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides instruction in the preparation of electrical construction documents for residential and light commercial buildings using computer aided drafting programs. Course work involves applying electrical design calculations to building electrical power wiring, motor, and lighting systems. EDT 356 or EDT 350 should be taken concurrently with this course.

EDT 356 Building Electrical Systems Design 3 Units

Prerequisite: None.
Advisory: Concurrent enrollment in EDT 352.
Course Transferable to CSU
Hours: 54 hours LEC
This is a basic course on electrical systems for residential and commercial buildings with emphasis on practical industry, materials, methods, and Title 24 codes. EDT 352 should be taken concurrently with this course.

EDT 494 Topics in Engineering Design Technology .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
This specialized course has been developed in cooperation with industry to address emerging training needs.

EDT 495 Independent Studies in Engineering Design Technology 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 162 hours LAB
Independent study of an Engineering Design Technology topic or research project. 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.

EDT 498 Work Experience in Engineering Design Technology 1-4 Units

Prerequisite: EDT 300 and 310 with grades of "C" or better
General Education: AA/AS Area III(b)
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.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
This course provides students with opportunities to develop or add marketable skills related to their vocational study programs. Course content will include understanding the application of the student's education to the workforce; the responsibilities of an internship (where applicable); completion of Title V Education Code papers (the student's Application, Learning Objectives, Time sheet, and Evaluations), which document the student's progress and hours spent at the work or internship site; and developing workplace (soft) skills identified by the Secretary's Commission on Achieving Necessary Skills (SCANS) Competencies, as well as by local employers. 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 transfer 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 a total of 16 units. Only one Work Experience course may be taken per semester.

EDT 499 Experimental Offering in Engineering Design Technology .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
See Experimental Offerings

Surveying (SURVY)

SURVY 300 Elementary Surveying 4 Units

Prerequisite: None.
Advisory: MATH 335 with a grade of "C" or better.
Course Transferable to UC/CSU
Hours: 45 hours LEC; 81 hours LAB
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.

Surveying (Geomatics) (SURVY)

SURVY 320 Advanced Survey 4 Units

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.
Course Transferable to CSU
Hours: 45 hours LEC; 81 hours LAB
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) 3 Units

Prerequisite: SURVY 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 45 hours LEC; 81 hours LAB
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 3 Units

Prerequisite: SURVY 320 with a grade of "C" or better, or equivalent work experience.
Course Transferable to CSU
Hours: 54 hours LEC
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 4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 72 hours LEC
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 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 1-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 18 hours LEC; 75 hours LAB
See Work Experience

SURVY 499 Experimental Offering in Surveying .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
See Experimental 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.

English ENGCW, ENGED, ENGLB, ENGLT, ENGRD, ENGWR

Degree:
A.A. – English
AA-T - English for Transfer

Coursework:
ENGCW – English-Creative Writing
EDGED – English-Education
ENGLB – English-Laboratory
ENGLT – English-Literature
ENGRD – English-Reading
ENGWR – English-Writing

Division of Language and Literature
Albert Garcia, Dean
Rodda South 226
916-558-2325

English Assessment Requirement
To place in the appropriate level of instruction, all students enrolling in English skills or composition courses are strongly advised to complete the assessment process prior to registration in any classes. An alternative is designated course completion, which will provide entrance into certain courses.

Success in Reading, Writing, and English as a Second Language (ESL)
The success of our students is of utmost importance to us at Sacramento City College. For that reason, we strongly advise students to develop skills in the basics of reading and writing. By reading, we mean understanding and remembering what you read so that you will be able to learn the information in all of your textbooks. By writing, we mean spelling correctly, punctuating accurately, using the grammar of standard written English, and organizing ideas into paragraphs and essays that are clear, unified, and coherent.

For students who are non-native speakers of English, we strongly advise taking classes in our English as a Second Language program.

With a strong foundation in the skills of reading and writing, your opportunities for success in college-level classes will be greatly increased.

Student Literary Journal
The student literary journal, Susurrus, is annually produced by the students in ENGCW 450 and ENGCW 451, three-unit production courses. The journal accepts poetry, fiction, essays, photos and art by Sacramento City College students for consideration each fall; the book-quality journal is published in the spring.

English

Associate in Arts Degree

Program Information
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.

Career Opportunities
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.

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.

Required Program	**Units**
ENGWR 300 College Composition (3)	3 - 4
or ENGWR 308 College Composition and Research (4)	
or ENGWR 488 Honors College Composition and Research (4)	
ENGWR 303 Argumentative Writing and Critical Thinking Through Literature	4
ENGLT 310 English Literature	3
ENGLT 311 English Literature	3
ENGLT 320 American Literature	3
ENGLT 321 American Literature	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)	
TAFILM 300 Introduction to Film (3)	
or 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)	
Total Units Required	**28-29**

Associate in Arts (A.A.) Degree
The Associate in Arts degree may be obtained by the completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Sacramento City College provides reading and composition skills courses within three levels. Each is a distinct level of development and does not necessarily provide entrance to another.

Associate Degree for Transfer
A Degree with a Guarantee.

English

Associate in Arts for Transfer

Program Information
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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

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.

Required Program **Units**

ENGWR 303 Argumentative Writing and Critical Thinking Through Literature 4

A minimum of 6 units from the following: 6
- ENGLT 310 English Literature (3)
- ENGLT 311 English Literature (3)
- ENGLT 320 American Literature (3)
- ENGLT 321 American Literature (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)
- TAFILM 300 Introduction to Film (3)
  or ENGLT 400 Introduction to Film (3)
- ENGLT 401 Women in Film and Literature (3)
- ENGLT 403 Film Adaptations
- 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 Required **19**

Associate in Arts for Transfer Degree
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.

English – Creative Writing (ENGCW)

ENGCW 400 Creative Writing 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 200)

ENGCW 410 Fiction Writing Workshop 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 in-class 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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This is a creative writing course in creative non-fiction. The class focuses on constructive, in-class 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, out of class interviews, and in-class 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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area I
Course Transferable to UC/CSU
Hours: 54 hours LEC
This is a creative writing workshop in autobiography and creative non-fiction. The class focuses on constructive, in-class 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, out-of-class interviews, and in-class 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 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

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.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

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.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental 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.

English – Education (ENGED)

ENGED 305 Structure of English 3 Units

Prerequisite: ENGWR 300 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGRD 110 with a grade of "C" or better; or placement through the assessment process.
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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 495 Independent Studies in English - Education 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offerings

English - Laboratory (ENGLB)

ENGLB 55 Individualized Reading Skills .5-2 Units

Prerequisite: None.
Hours: 108 hours LAB
This course provides individualized, self-paced instruction of reading skills. Students meet with an instructor for diagnosis of reading needs, and an agreed upon prescription is then determined. Students are awarded units based on the 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, using different modules. This course is designed for students enrolled in a reading course, although it is open to any student in any discipline experiencing difficulty in reading as required for college. Students may register until the end of the ninth week of the semester as space allows. It will be graded on a Pass/No Pass basis.

ENGLB 299 Experimental Offering in English-Laboratory .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

English – Literature (ENGLT)

ENGLT 303 Introduction to the Short Story 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC

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. (C-ID ENGL 160)

ENGLT 311 English Literature 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 165)

ENGLT 317 The English Bible as Literature 3 Units

Prerequisite: ENGWR 101 or ESLW 320 and ESLR 320 with a grade of "C" or better; or placement through the assessment process
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a "C" or better or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 130)

ENGLT 321 American Literature 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 135)

ENGLT 327 Literature of California 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 331 African-American Literature (1730-1930) 3 Units

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
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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) 3 Units

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
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; CSU Area D3; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

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.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course surveys U.S. literature (prose, poetry, drama, creative nonfiction) 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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2
Course Transferable to CSU
Hours: 54 hours LEC
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 childrenâs literature. It includes discussion of the history of childrenâs 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. (C-ID ENGL 180)

ENGLT 380 Introduction to Shakespeare 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
"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 3 Units

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.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 LeGuin, Neal Stephenson, J.R.R. Tolkein, and Kurt Vonnegut.

ENGLT 400 Introduction to Film 3 Units

Same As: TAFILM 300
Prerequisite: ENGWR 51 and ENGRD 11 or ESLR 310 and ESLW 310 with grades of "C" or better or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 51, ESLR 50, or ESLW 50 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C1; CSU Area C2; IGETC Area 3A; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 51 and ENGRD 11 or ESLR 310 and ESLW 310 with grades of "C" or better or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Enrollment Limitation: Eligibility for the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 140)

ENGLT 481 World Literature: Seventeenth Century to Present - Honors 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Enrollment Limitation: Eligibility for the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 145)

ENGLT 494 Topics in Literature 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

English – Reading (ENGRD)

ENGRD 10 Basic Reading Skill Development 3 Units

Prerequisite: None.
Corequisite: ENGLB 55
Hours: 54 hours LEC
This course provides competency-based instruction for improving basic word attack, literal comprehension, vocabulary development, dictionary skills, and word parts.

ENGRD 11 Reading Skill Development 3 Units

Prerequisite: ENGRD 10 with a grade of "C" or better; or placement through the assessment process.
Advisory: ENGWR 51 with a "C" or better
Hours: 54 hours LEC
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. This course is graded A-F. Completion of ENGLB 55 may be recommended by the instructor.

ENGRD 110 Comprehension Strategies and Vocabulary Development For College 3 Units

Prerequisite: ENGRD 11 with a grade of "C" or better; or placement through the assessment process.
Advisory: ENGWR 51 with a grade of 'C' or better.
Hours: 54 hours LEC
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 reading as applied to fiction, non-fiction, and textbooks. ENGLB 55 may be recommended by the instructor for students who need more reading skill practice.

ENGRD 208 Reading for Academic Achievement 3 Units

Prerequisite: ENGRD 110 or ESLR 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Reading Competency
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.
Hours: 54 hours LEC
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 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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

ENGRD 310 Critical Reading as Critical Thinking 3 Units

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
General Education: AA/AS Area II(b); CSU Area A3
Course Transferable to CSU
Hours: 54 hours LEC
This course covers 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 Textbook Reading 3 Units

Prerequisite: ENGRD 110 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Reading Competency
Course Transferable to CSU
Hours: 54 hours LEC
This course is designed to refine students' ability to read, understand, and respond to textbooks in vocational courses such as nursing, aeronautics, or cosmetology and in transfer-level courses such as business, geology, or 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 495 Independent Studies in English - Reading 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 162 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offering

English – Writing (ENGWR)

ENGWR 51 Developmental Writing 4 Units

Prerequisite: None.
Hours: 72 hours LEC
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 1 Unit

Prerequisite: None.
Corequisite: ENGWR 51
Hours: 18 hours LEC
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 101 College Writing 4 Units

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
Hours: 72 hours LEC
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 157 University Preparatory Writing 3 Units

Prerequisite: None.
Hours: 54 hours LEC
This writing course uses individual and group instruction to help students improve critical thinking and writing skills. Each student writes 6,000 words (approximately eight 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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

ENGWR 300 College Composition 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
Advisory: ENGRD 310 and LIBR 318 with grades of "C" or better
General Education: AA/AS Area II(a); CSU Area A2; IGETC Area 1A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 100)

ENGWR 301 College Composition and Literature 3 Units

Prerequisite: ENGWR 300 with a grade of "C" or better
General Education: AA/AS Area II(a); AA/AS Area I; CSU Area A3; IGETC Area 1B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 120)

ENGWR 302 Advanced Composition and Critical Thinking 3 Units

Prerequisite: ENGWR 300 or 480 with a grade of "C" or better
Advisory: LIBR 318
General Education: AA/AS Area II(b); AA/AS Area II(a); CSU Area A3; IGETC Area 1B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID ENGL 105)

ENGWR 303 Argumentative Writing and Critical Thinking Through Literature 4 Units

Prerequisite: ENGWR 300 or 480 with a grade of "C" or better
General Education: AA/AS Area II(b); AA/AS Area II(a); AA/AS Area I; CSU Area A3; IGETC Area 1B
Course Transferable to UC/CSU
Hours: 72 hours LEC
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, and/or films may be required. (C-ID ENGL 110)

ENGWR 330 Writing for Publication 3 Units

Same As: JOUR 340
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better or placement through the assessment process.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Same As: COMM 351 and JOUR 310
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.
General Education: AA/AS Area V(b); CSU Area D4; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.) (C-ID JOUR 100)

ENGWR 482 Honors Advanced Composition and Critical Thinking 3 Units

Prerequisite: ENGWR 300 or 480 with a grade of "C" or better
General Education: AA/AS Area II(b); AA/AS Area II(a); CSU Area A3; IGETC Area 1B
Enrollment Limitation: Eligibility for the Honors Program
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 4 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b); AA/AS Area II(a); CSU Area A2; IGETC Area 1A
Enrollment Limitation: Students must also be eligible for admission to the Honors Program.
Course Transferable to UC/CSU
Hours: 72 hours LEC
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.

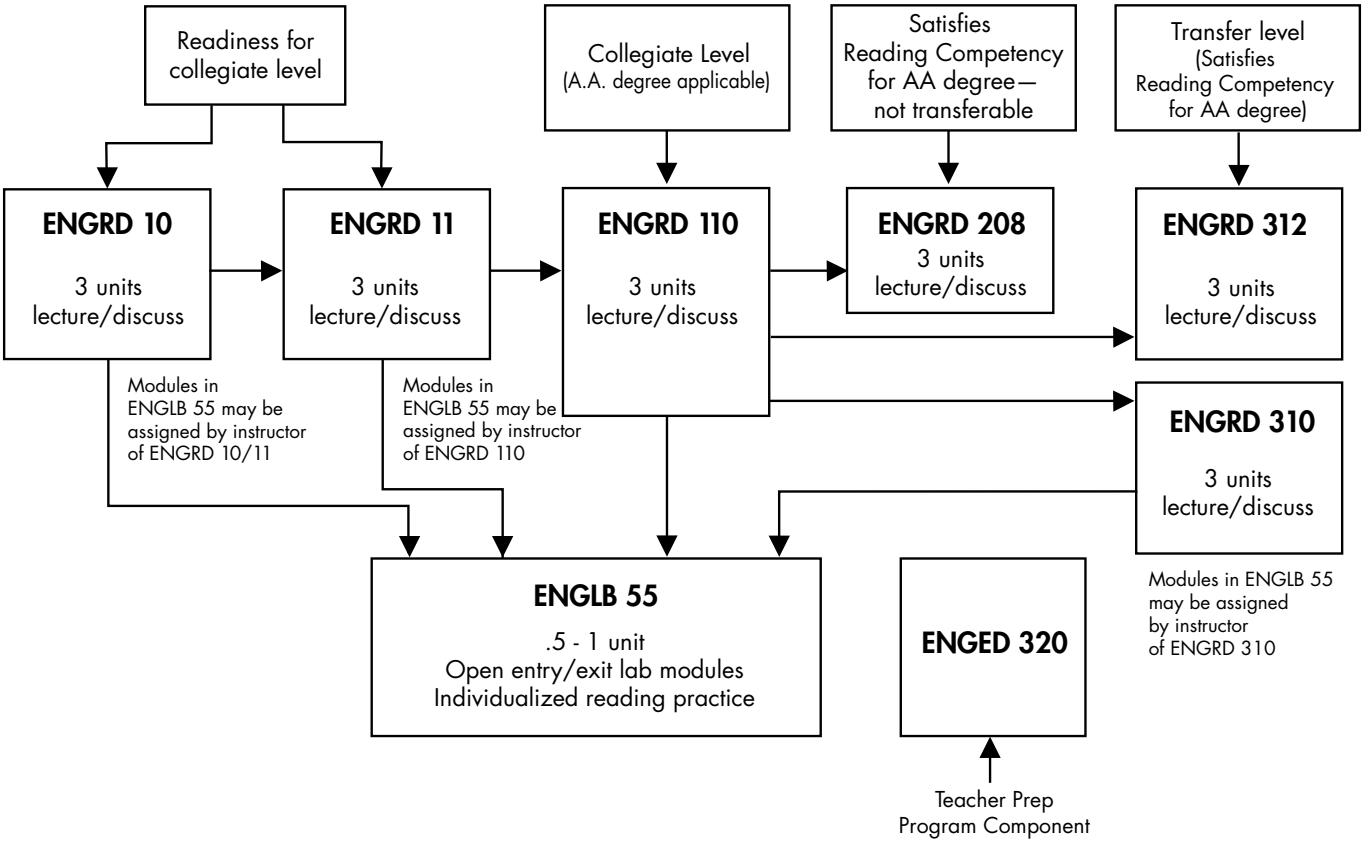
ENGWR 495 Independent Studies in English - Writing 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

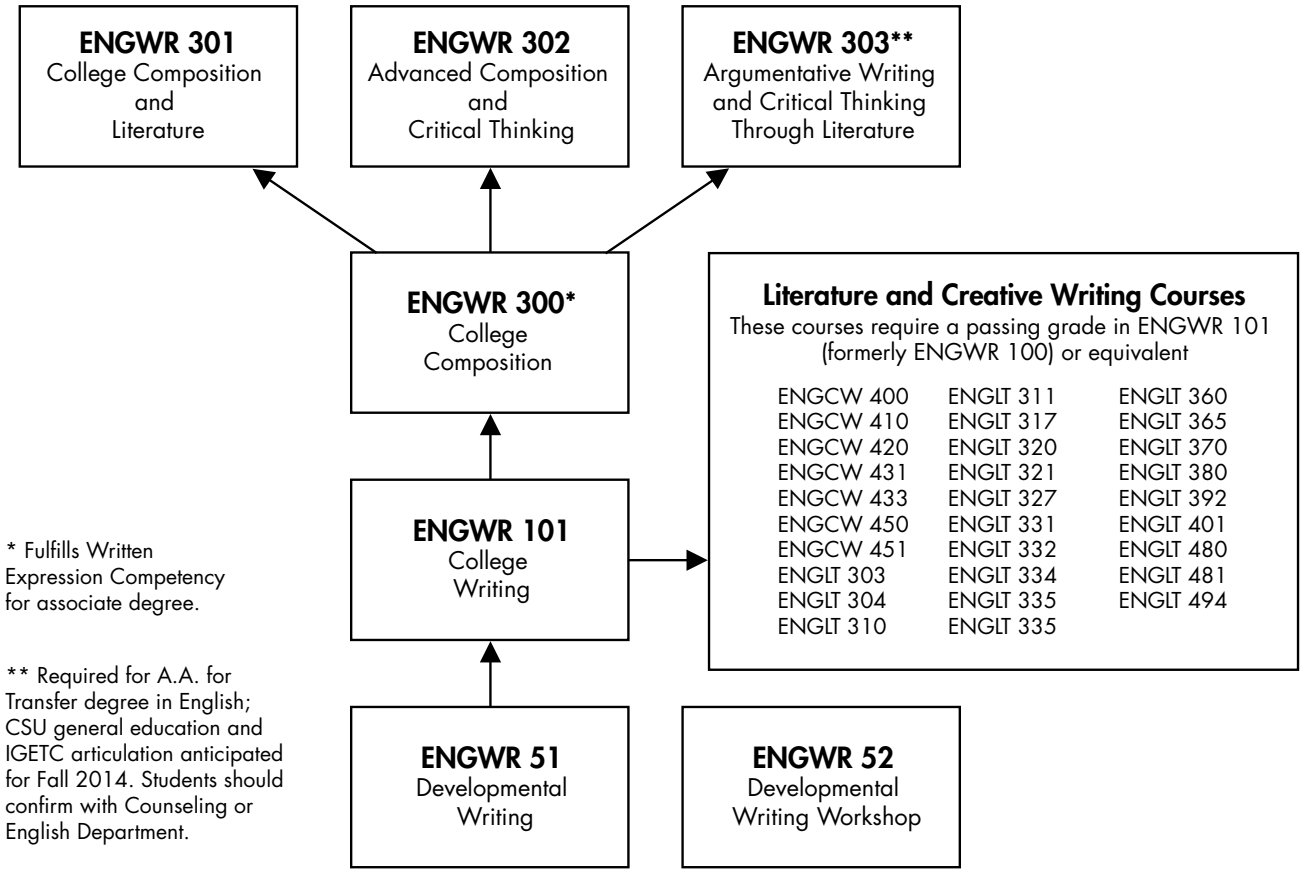
ENGWR 499 Experimental Offering in English - Writing .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Reading Curriculum



English Curriculum



* Fulfills Written Expression Competency for associate degree.

** Required for A.A. for Transfer degree in English; CSU general education and IGETC articulation anticipated for Fall 2014. Students should confirm with Counseling or English Department.

English as a Second Language ESL, ESLG, ESLL, ESLP, ESLR, ESLW

ESL – English as a Second Language
ESLG – ESL-Grammar
ESLL – ESL-Listening Skills
ESLP – ESL-Pronunciation
ESLR – ESL-Reading
ESLW – ESL-Writing

Division of Language and Literature
Albert Garcia, Dean
Rodda South 226
916-558-2325

ESL Assessment Requirement
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.

Success in ESL Courses
The success of our students is of utmost importance to us at Sacramento City College. For that reason, we strongly advise students to develop basic language skills: listening, speaking, reading, and writing.

By listening and speaking, we mean understanding and remembering what you hear during lectures, and conversing and interacting successfully with native speakers of English.

By reading, we mean understanding and remembering what you read so that you will be able to learn the information in all of your textbooks.

By writing, we mean expressing your ideas correctly, punctuating accurately, using the grammar of standard written English, and organizing ideas into paragraphs and essays that are clear, unified, and coherent.

With a strong foundation in all language skills, your opportunities for success in college-level classes will be greatly increased.

English as a Second Language (ESL)

ESL 37 Novice-High Integrated Reading and Writing 6 Units

Prerequisite: None.
Hours: 108 hours LEC
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 develop simple and compound sentence control and will practice writing short paragraphs with a clear beginning, middle, and end.

ESL 38 Novice-High Integrated Grammar, Listening and Speaking 6 Units

Prerequisite: None.
Hours: 108 hours LEC
This course focuses on developing basic language accuracy and fluency in spoken and written English. Students will identify and use grammatical structures in appropriate contexts. Students will also learn listening and speaking strategies that will help them succeed in college courses.

ESL 40 ESL Through Computer Technology 4 Units

Prerequisite: ESLL 30, ESLR 30, and ESLW 30 with grades 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.
Hours: 72 hours LEC
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 web site, basic word processing, and the Internet. This course is offered as Pass/No Pass only.

ESL 44 Intermediate-Low Skills Lab .5-1.5 Units

Prerequisite: None.
Advisory: Concurrent enrollment in at least one ESL course
Hours: 81 hours LAB
This course develops, expands, and reinforces multiple English language skills at the intermediate-low level in an independent and/or in small group environment. Coursework includes integrated study topics relative to vocabulary and study skills, reading and grammar use, idiomatic language study and application, pronunciation and listening skills, composition and writing, and/or workplace skills. This is an open-entry open-exit course. Students may register until the end of the ninth week of the semester if space allows. Students may earn up to one-half unit per semester by completing 27 hours of work. This course may be taken for a maximum of 1.5 units, using different modules. This course is not a substitute for other ESL courses. This course is graded Pass/No Pass.

ESL 47 Intermediate-Low Integrated Reading and Writing 6 Units

Prerequisite: ESL 37 with a grade of "C" or better; or ESLR 30 and ESLW 30 with a grade of "C" or better; or, for students not previously enrolled in ESL courses within the Los Rios District, placement through the assessment process.
Advisory: Concurrent enrollment in ESLR 90 (ESL Center: Intermediate-Low Reading Skills in ESL.) ESL 47 and ESLR 90 are both prerequisites for ESLR 50 and ESL 53.
Hours: 108 hours LEC
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. Students will write paragraphs with a clear beginning, middle, and end.

ESL 48 Intermediate-Low Integrated Grammar, Listening and Speaking 6 Units

Prerequisite: ESLL 30 and ESLW 30 with a grade of "C" or better; or ESL 38 with a grade of "C" or better; or, for students not previously enrolled in ESL courses within the Los Rios District, placement through the assessment process.
Advisory: Concurrent enrollment in ESLL 90 (ESL Center: Intermediate-Low Listening Skills in ESL.) ESL 48 and ESLL 90 are both prerequisites for ESLL 50.
Hours: 108 hours LEC
This course focuses on developing language accuracy and fluency in spoken and written English at the Intermediate-Low level. Students will identify and use grammatical structures in a variety of contexts. They will also improve their academic listening and speaking skills.

ESL 54 Intermediate-Mid Skills Lab .5-1.5 Units

Prerequisite: ESLL 40, ESLR 40, or ESLW 40 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in at least one ESL course
Hours: 81 hours LAB
This course develops, expands, and reinforces multiple English language skills at the intermediate-mid level in an independent and/or in small group environment. Coursework includes integrated study topics relative to vocabulary and study skills, reading and grammar use, idiomatic language study and application, pronunciation and listening skills, composition and writing, and/or workplace skills. This is an open-entry open-exit course. Students may register until the end of the ninth week of the semester if space allows. Students may earn up to one-half unit per semester by completing 27 hours of work. This course may be taken for a maximum of 1.5 units, using different modules. This course is not a substitute for other ESL courses. This course is graded Pass/No Pass.

ESL 55 Intermediate-Mid Integrated Reading and Writing 6 Units

Prerequisite: ESLW 40 and ESLR 40 with grades of "C" or better and ESLR 90 with a grade of "P"; 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 ESLR 91. Both ESL 55 and ESLR 91 are prerequisites for ESLR 310 and ESL 315. Enrollment in ESL 54 for extra support is advised.
Hours: 108 hours LEC
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 94 Intermediate-High Skills Lab .5-1.5 Units

Prerequisite: ESLL 50, ESLR 50, or ESLW 50 with a grade of "C" or better; or placement through the assessment process.
Advisory: Concurrent enrollment in at least one ESL course.
Hours: 81 hours LAB
This course develops, expands, and reinforces multiple English language skills at the intermediate-high level in an independent and/or in small group environment. Coursework includes integrated study topics relative to vocabulary and study skills, reading and grammar use, idiomatic language study and application, pronunciation and listening skills, composition and writing, and/or workplace skills. This is an open-entry open-exit course. Students may register until the end of the ninth week of the semester if space allows. Students may earn up to one-half unit per semester by completing 27 hours of work. This course may be taken for a maximum of 1.5 units, using different modules. This course is not a substitute for other ESL courses. The course is graded Pass/No Pass.

ESL 95 Advanced Skills Lab .5-1.5 Units

Prerequisite: ESLG 310, ESLR 310, or ESLW 310 with a grade of "C" or better, or placement through the assessment process.
Advisory: Concurrent enrollment in at least one ESL course
Hours: 81 hours LAB
This course develops, expands, and reinforces multiple English language skills at the advanced levels in an independent and/or in small group environment. Coursework includes integrated study topics relative to vocabulary and study skills, reading and grammar use, idiomatic language study and application, pronunciation and listening skills, composition and writing, and/or workplace skills. This is an open-entry open-exit course. Students may register until the end of the ninth week of the semester if space allows. Students may earn up to one-half unit per semester by completing 27 hours of work. This course may be taken for a maximum of 1.5 units, using different modules. This course is not a substitute for other ESL courses. This course is graded Pass/No Pass.

ESL 114 Career Communication Skills: Intermediate 4 Units

Prerequisite: Any TWO level 50 core ESL courses (ESLG 50, ESLW 50, ESLL 50, ESLR 50) 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 94.
Hours: 72 hours LEC
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.

ESL 299 Experimental Offering in English as a Second Language .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
This is an experimental course offering designed to provide students with courses not normally offered by the ESL department. Course topics will be structured around new and emerging issues related to the field of ESL.

ESL 315 Intermediate-High Integrated Reading and Writing 6 Units

Prerequisite: ESLW 50 and ESLR 50 with grades of "C" or better and ESLR 91 with a grade of "P"; or ESL 53 with a grade of "C" or better and ESLR 91 with a grade of "P"; 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 ESLR 92. Both ESL 315 and ESLR 92 are prerequisites for ESLR 320 and for ESL 325. Enrollment in ESL 94 for extra support is advised.
Course Transferable to UC/CSU
Hours: 108 hours LEC
This integrated-skills course focuses on strengthening academic reading and writing skills at the Intermediate-High level. The emphasis is on vocabulary expansion, comprehension, inference and analysis, and developing the ability to respond to readings through a variety of essay assignments. Students will use critical thinking skills to understand, paraphrase, summarize, and respond orally and in writing to ideas expressed in fiction and non-fiction readings. They will refine their ability to control a range of grammatical structures. Students will also learn to use the library. Students will be assigned a minimum of 4,000 words including in-class essays and a final exam.

ESL 324 Career Communication Skills: Advanced 4 Units

Prerequisite: ESL 114 with a grade of "C" or better, OR completion of ESLG 310, ESLW 310, and ESLR 310 with grades of "C" or better; OR, for students not previously enrolled in ESL courses within the Los Rios district, placement through the SCC assessment process.
Advisory: Concurrent enrollment in ESL 95.
Course Transferable to CSU
Hours: 72 hours LEC
This course offers students advanced work in improving oral communication skills needed for success in college coursework and career development. Students examine cultural contrasts and misconceptions while participating in activities designed to promote peer and self-evaluation in communicative situations. In addition, intensive work in pronunciation and practice with functional language patterns help students gain a mastery of spoken English that will lead to more effective communication with instructors, classmates, supervisors, and colleagues.

ESL 325 Advanced-Low Integrated Reading and Writing 6 Units

Prerequisite: ESLR 310 and ESLW 310 with a grade of "C" or better, AND ESLR 92 with a grade of "P"; OR ESL 315 with a grade of "C" or better and ESLR 92 with a grade of "P"; OR, for students not previously enrolled in ESL courses within the Los Rios district, placement through the Los Rios assessment process.
Advisory: ESLR 93 (ESL Center: Advanced-Low Reading Skills in ESL) with a grade of "P"; Both ESL 325 and ESLR 93 are prerequisites for ESLR 340. Enrollment in ESL 95 for extra support is advised.
Course Transferable to UC/CSU
Hours: 108 hours LEC
This course integrates college reading and writing skills with an emphasis on reading analysis, academic vocabulary, and essay writing. The writing process will be used to produce well-developed essays with appropriate citations of outside sources. Students will be assigned a minimum of 6,000 words including in-class essays and a final exam. Students will also work on building a flexible reading rate, completing library research tasks, and evaluating and synthesizing various reading materials.

ESL 495 Independent Studies in English as a Second Language 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 72 hours LEC
This is an experimental course offering designed to provide students with courses not normally offered by the ESL department. Course topics will be structured around new and emerging issues related to the field of ESL.

ESL – Grammar (ESLG)

ESLG 50 Intermediate-Mid Grammar 4 Units

Prerequisite: ESLW 40 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 54 (Intermediate-Mid Skills Lab), or other ESL courses at the appropriate level.
Hours: 72 hours LEC
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 4 Units

Prerequisite: ESLG 50 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 94 (Intermediate-High Skills Lab), or other ESL courses at the appropriate level.
Course Transferable to CSU
Hours: 72 hours LEC
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 time clauses.

ESLG 320 Advanced-Low Grammar 4 Units

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 95 (Advanced-Low Skills Lab), or other ESL courses at the appropriate level.
Course Transferable to UC/CSU
Hours: 72 hours LEC
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, both in and out of class. Assignments emphasize sentence structure in the context of longer written work.

ESLG 499 Experimental Offering in English as a Second Language - Grammar .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
This is an experimental course offering designed to provide students with courses not normally offered by the ESL department. Course topics will be structured around new and emerging issues related to the field of ESL.

ESL Listening Skills (ESLL)

ESLL 30 Novice-High Listening and Speaking 4 Units

Prerequisite: None.
Hours: 72 hours LEC
This is a course in listening comprehension and speaking strategies for students at the Novice-High level who plan to take college courses. Students will increase vocabulary, participate in a variety of listening activities, and discuss a wide variety of topics. Students will learn to recognize and produce the sounds, stress, rhythm, and intonation patterns of American English and will understand basic English.

ESLL 40 Intermediate-Low Listening and Speaking 4 Units

Prerequisite: ESLL 30 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 ESLL 90 (ESL Center: Intermediate-Low Listening Skills in ESL). Both ESLL 40 and ESLL 90 are prerequisites for ESLL 50.
Hours: 72 hours LEC
This course helps students at the Intermediate-Low Level develop the listening and speaking skills needed to succeed in college courses. Students will focus on developing phrases and sentences to communicate their ideas in familiar situations. The course includes group and individual listening and speaking activities, a review of American English sounds, and practice in stress, rhythm, and intonation.

ESLL 50 Intermediate-Mid Listening and Speaking 4 Units

Prerequisite: ESLL 90 with a grade of "P" and ESLL 40 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 ESLL 91 (ESL Center: Intermediate-Mid Listening Skills in ESL).
Hours: 72 hours LEC
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 skills, and will continue to work on pronunciation skills. Students will continue to work on improving their pronunciation and communication skills.

ESLL 90 ESL Center: Intermediate-Low Listening Skills in ESL .5-1 Units

Prerequisite: ESLL 30, ESLR 30, or ESLW 30 with a grade of "C" or better, or placement in level 40 or above through the Los Rios assessment process
Advisory: Concurrent enrollment in at least one ESL course
Hours: 54 hours LAB
This course provides individualized, self-paced, and/or small group instruction to students. A variety of self-study materials and media are available on such topics as listening, pronunciation, and vocabulary. Coursework is designed to develop and reinforce English language skills at the intermediate-low level. This lab course, together with ESLL 40, serves as a prerequisite for ESLL 50. The course is graded Pass/No Pass and is not a substitute for other English as a Second Language courses. Students may earn 0.5 or 1.0 units and must complete 27 hours of work for each 0.5 unit.

ESLL 91 ESL Center: Intermediate-Mid Listening Skills in ESL .5-1 Units

Prerequisite: ESLL 40, ESLR 40, or ESLW 40 with a grade of "C" or better, or placement in level 50 or above through the Los Rios assessment process
Advisory: Concurrent enrollment in at least one ESL course
Hours: 54 hours LAB
This course provides individualized, self-paced, and/or small group instruction to students. A variety of self-study materials and media are available on such topics as listening, pronunciation, and vocabulary. Coursework is designed to develop and reinforce English language skills at the intermediate-mid level. This lab course, together with ESLL 50, serves as a prerequisite for ESL 114 and ESLL 310. The course is graded Pass/No Pass and is not a substitute for other English as a Second Language courses. Students may earn 0.5 or 1.0 units and must complete 27 hours of work for each 0.5 unit.

ESL – Pronunciation (ESLP)

ESLP 85 Pronunciation 2 Units

Prerequisite: Completion of ESLL 40 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.
Hours: 36 hours LEC
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.

ESL – Reading (ESLR)

ESLR 30 Novice-High Reading 4 Units

Prerequisite: None.
Hours: 72 hours LEC
This course focuses on reading words, phrases, sentences, and paragraphs in short texts at the novice-high level. Students will learn core vocabulary, associated spelling rules, and grammar necessary to understand short readings.

ESLR 40 Intermediate-Low Reading 4 Units

Prerequisite: ESLR 30 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 ESLR 90 (ESL Center: Intermediate-Low Reading Skills in ESL). ESLR 40 and ESLR 90 are both prerequisites for ESLR 50.
Hours: 72 hours LEC
This course focuses on developing academic reading skills at the intermediate-low level with an emphasis on building vocabulary and literal comprehension and increasing fluency. Students will discuss and write about readings.

ESLR 50 Intermediate-Mid Reading 4 Units

Prerequisite: ESLR 90 with a grade of "P" and ESLR 40 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 ESLR 91. ESLR 50 and ESLR 91 are prerequisites for ESLR 310 and ESL 315.
Hours: 72 hours LEC
This course focuses on developing academic reading skills at the intermediate-mid level, with an emphasis on vocabulary expansion, literal comprehension, inference, and dictionary skills. Students will practice critical thinking skills to understand, analyze, discuss, and write responses to ideas expressed in readings.

ESLR 90 ESL Center: Intermediate-Low Reading Skills in ESL .5-1 Units

Prerequisite: ESLL 30, ESLR 30, or ESLW 30 with a grade of "C" or better or placement in level 40 or above through the Los Rios assessment process
Advisory: Concurrent enrollment in at least one ESL course
Hours: 54 hours LAB
This course provides individualized, self-paced, and/or small group instruction to students. A variety of self-study materials and media are available on such topics as reading, vocabulary, and study skills. Coursework is designed to develop and reinforce English language skills at the intermediate-low level. This lab course, together with ESLR 40, serves as a prerequisite for ESLR 50. This course is graded Pass/No Pass and is not a substitute for other English as a Second Language courses. Students may earn 0.5 or 1.0 units and must complete 27 hours of work for each 0.5 unit.

ESLR 91 ESL Center: Intermediate-Mid Reading Skills in ESL .5-1 Units

Prerequisite: ESLL 40, ESLR 40, or ESLW 40 with a grade of "C" or better or placement in level 50 or above through the Los Rios assessment process
Advisory: Concurrent enrollment in at least one ESL course
Hours: 54 hours LAB
This course provides individualized, self-paced, and/or small group instruction to students. A variety of self-study materials and media are available on such topics as reading, vocabulary, and study skills. Coursework is designed to develop and reinforce English language skills at the intermediate-mid level. This lab course, together with ESLR 50, serves as a prerequisite for ESLR 310. The course is graded Pass/No Pass and is not a substitute for other English as a Second Language courses. Students may earn 0.5 or 1.0 units and must complete 27 hours of work for each 0.5 unit.

ESLR 92 ESL Center: Intermediate-High Reading Skills in ESL .5-1 Units

Prerequisite: ESLL 50, ESLR 50, or ESLW 50 with a grade of "C" or better or placement in level 310 or above through the Los Rios assessment process
Advisory: Concurrent enrollment in at least one ESL course
Hours: 54 hours LAB
This course provides individualized, self-paced, and/or small group instruction to students. A variety of self-study materials and media are available on such topics as reading, vocabulary, and study skills. Coursework is designed to develop and reinforce English language skills at the intermediate-high level. This lab course, together with ESLR 310, serves as a prerequisite for ESLR 320. The course is graded Pass/No Pass and is not a substitute for other English as a Second Language courses. Students may earn 0.5 or 1.0 units and must complete 27 hours of work for each 0.5 unit.

ESLR 93 ESL Center: Advanced-Low Reading Skills in ESL .5-1 Units

Prerequisite: ESLG 310, ESLR 310, or ESLW 310 with a grade of "C" or better or placement in level 320 or above through the Los Rios assessment process
Advisory: Concurrent enrollment in at least one ESL course
Hours: 54 hours LAB
This course provides individualized, self-paced, and/or small group instruction to students. A variety of self-study materials and media are available on such topics as reading, vocabulary, and study skills. Coursework is designed to develop and reinforce English language skills at the advanced-low level. This lab course, together with ESLR 320, serves as a prerequisite for ESLR 340. The course is graded Pass/No Pass and is not a substitute for other English as a Second Language courses. Students may earn 0.5 or 1.0 units and must complete 27 hours of work for each 0.5 unit.

ESLR 310 Intermediate-High Reading 4 Units

Prerequisite: ESLR 91 with a grade of "P" and ESLR 50 with a grade of "C" or better; or ESLR 91 with a grade of "P" and ESL 53 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 ESLR 92 (ESL Center: Intermediate-High Reading Skills in ESL). ESLR 310 and ESLR 92 are prerequisites for ESLR 320 and for ESL 325.
Course Transferable to CSU
Hours: 72 hours LEC
This course focuses on developing academic reading skills at the Intermediate-High level with an emphasis on vocabulary expansion and comprehension of ideas and introduces students to library use. Students will use critical thinking skills to understand, paraphrase, summarize, and respond orally and in writing to ideas expressed in fiction and non-fiction readings.

ESLR 320 Advanced-Low Reading 4 Units

Prerequisite: ESLR 92 with a grade of "P" and ESLR 310 and ESLW 50 with a grade of "C" or better; or ESLR 92 with a grade of "P" and ESL 315 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 ESLR 93 (ESL Center: Advanced-Low Reading Skills in ESL). ESLR 320 and ESLR 93 are both prerequisites for ESLR 340.
Course Transferable to CSU
Hours: 72 hours LEC
This course focuses on refining academic reading skills for students at the Advanced-Low level with an emphasis on vocabulary expansion and analytical comprehension. Students will expand their skills in using the library to practice research. Students will use critical thinking skills to paraphrase, summarize, and synthesize readings. They will also do extensive discussion and writing based on critical analysis of readings.

ESLR 340 Advanced Reading Skills Through Literature 4 Units

Prerequisite: ESLR 93 with a grade of "P" and ESLR 320 and ESLW 310 with a grade of "C" or better; or ESLR 93 with a grade of "P" and ESL 325 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 95 (Advanced Skills Lab).
General Education: AA/AS Area I; CSU Area C2
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 contributions and social experiences of underrepresented ethnic or racial groups. 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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
This is an experimental course offering designed to provide students with courses not normally offered by the ESL department. Course topics will be structured around new and emerging issues related to the field of ESL.

ESL – Writing (ESLW)

ESLW 30 Novice-High Writing 4 Units

Prerequisite: None.
Advisory: Concurrent enrollment in ESLR 30 and ESLL 30 or other ESL courses at the appropriate level. Advise adult school before taking ESLW 30.
Hours: 72 hours LEC
In this Novice-High writing course, students will learn simple sentences and paragraph structures. This course is an introduction to writing in English for students who plan to take college courses.

ESLW 40 Intermediate-Low Writing 4 Units

Prerequisite: ESLW 30 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 44, ESLL 40, and ESLR 40 or other ESL courses at the appropriate level.
Hours: 72 hours LEC
In this course, students will learn to write multiple drafts of paragraphs with a clear beginning, middle, and end while developing correct sentence structure at the Intermediate-Low level. They will learn to use critical thinking skills and level-appropriate grammar in their writing.

ESLW 50 Intermediate-Mid Writing 4 Units

Prerequisite: ESLW 40 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 54, ESLL 50, ESLR 50, and ESLG 50 or other English as a Second Language courses at the appropriate level.
Hours: 72 hours LEC
This is a course for students at the Intermediate-Mid Level that focuses first on the development of paragraph writing through guided writing and practice. By the end of the semester, students will be writing multi-paragraph essays. Students will learn techniques essential to essay writing and continue to develop sentence structure skills.

ESLW 85 Parts of Speech 2 Units

Prerequisite: ESLW 40 and ESLR 40 with grades of "C" or better OR ENGWR 51 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.
Hours: 36 hours LEC
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.

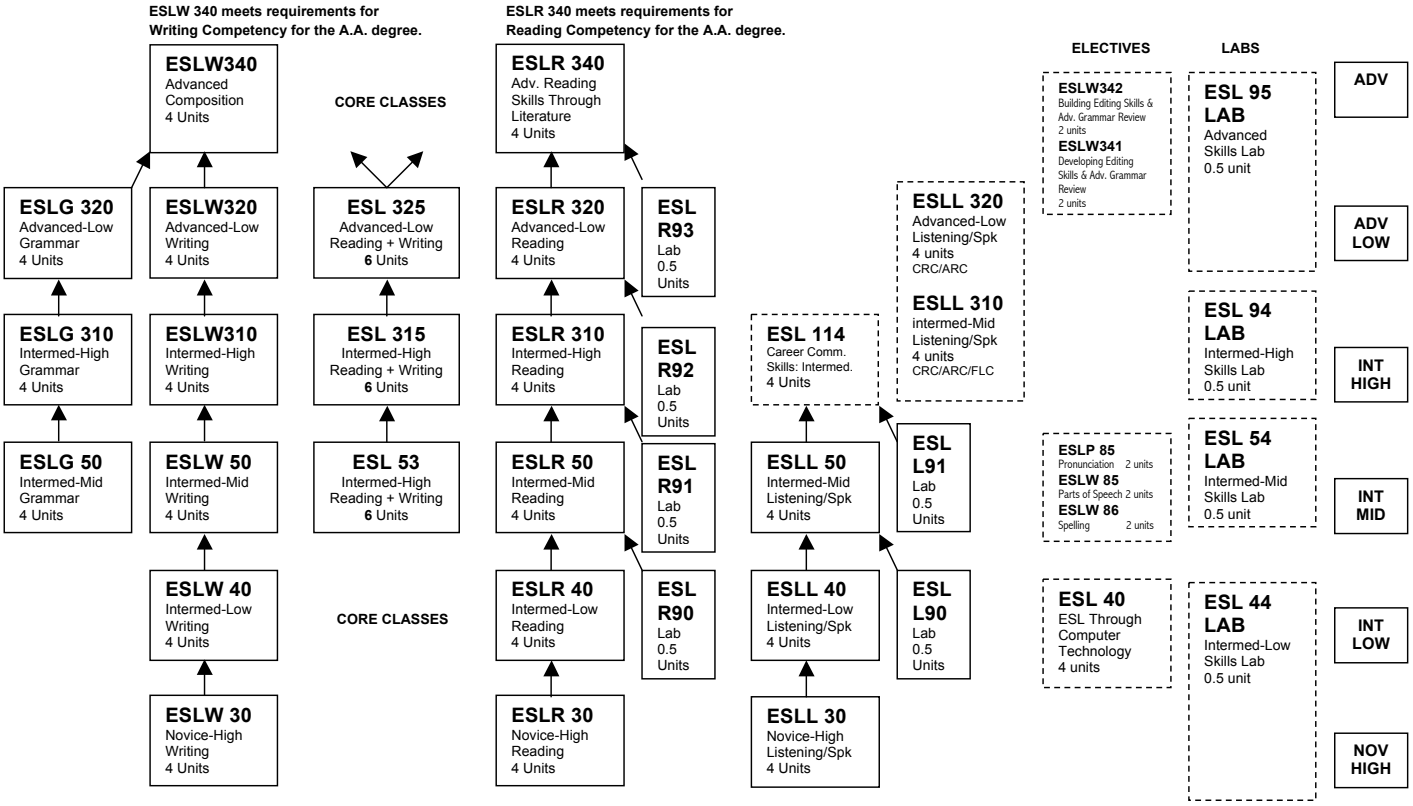
ESLW 86 Spelling 2 Units

Prerequisite: ESLW 40 and ESLR 40 with grades of "C" or better OR completion of ENGWR 51 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.
Hours: 36 hours LEC
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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
This is an experimental course offering designed to provide students with courses not normally offered by the ESL department. Course topics will be structured around new and emerging issues related to the field of ESL.

English as a Second Language Program



1. Concurrent Labs (R&L 90-93) are strongly advised for the level and are PREREQUISITES for the next level.
2. Arrows indicate prerequisite courses. Prerequisites for Level 40 and above are assessment/placement into ESL or successful completion of the prior course (and sometimes lab).
3. Courses numbered 300 and above are transferable. 100 and below are Basic Skills courses. Check with a counselor about transfer requirements.
4. **ESL 53, ESL 315, and ESL 325 are new combined Reading-Writing courses.** They should be taken with the R Lab for that level. Prerequisites are the R, W, and Lab course of the level below or the previous course in this sequence plus the Lab. Successful completion of one of these courses serves as prerequisite for both the R and W courses at the next level.
5. Elective courses are indicated by dashed-line boxes and are open to students at the level indicated and all higher levels. *Please check all prerequisites/corequisites carefully when taking electives.*

ESLW 310 Intermediate-High Writing 4 Units

Prerequisite: ESLW 50 or ESL 53 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.
Advisory: Concurrent enrollment in ESL 94, ESLG 310, and ESLR 310, or other ESL courses at the appropriate level
Course Transferable to UC/CSU
Hours: 72 hours LEC
In this course, students at the Intermediate-High level will develop their ability to respond to a variety of essay assignments. They will use the writing process to produce developed, organized, and unified essays. They will practice critical thinking skills through class discussion and written response to readings. They will refine their ability to control a range of grammatical structures.

ESLW 320 Advanced-Low Writing 4 Units

Prerequisite: ESLW 310 or ESL 315 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.
Advisory: Concurrent enrollment in ESL 95, ESLG 320, and ESLR 320, or other ESL courses at the appropriate level.
Course Transferable to UC/CSU
Hours: 72 hours LEC
In this course, students will use critical thinking skills and the writing process to produce a variety of focused, developed, and organized essays at the Advanced-Low level. The course emphasizes the development of ideas in body paragraphs and the analysis and use of readings as a basis for ideas in essays. Sentence variety and the mechanics of English in the context of the essay are also covered in the course. Essays incorporate ideas and quotations from outside sources as well as personal experience.

ESLW 340 Advanced Composition 4 Units

Prerequisite: ESLG 320 and either ESLW 320 or ESL 325 with grades of "C" or better; or, for students not previously enrolled in ESL writing and grammar courses within the Los Rios district, placement through the SCC assessment process.
Advisory: Concurrent enrollment in ESL 95, ESLW 341 and ESLR 340, or other ESL courses at the appropriate level. LIBR 318 with a grade of "C" or better.
General Education: AA/AS Area II(a); AA/AS Writing Competency; CSU Area A2
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course emphasizes advanced writing and critical thinking skills that are essential for successful completion of a four-year college program. Writing assignments include expository and argumentative prose based on analysis of a variety of readings. Students write a minimum of 7000 words divided among six to eight essays, including one fully documented research paper and two to three in-class essays. This course satisfies the Writing Competency for AA/AS graduation requirement and the California State University General Education-Breadth requirements for Area A2.

ESLW 341 Developing Editing Skills and Advanced Grammar Review for ESL Writers 2 Units

Prerequisite: ESLG 320 with a grade of "C" or better and either ESLW 320 or higher with a grade of "C" or better or concurrent enrollment in ESLW 320 or higher; OR ENGWR 101 with a grade of "C" or better; OR concurrent enrollment in ENGWR 101; OR, for students not previously enrolled in ESL courses within the Los Rios district, placement through the Los Rios assessment process.
Course Transferable to CSU
Hours: 36 hours LEC
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 2 Units

Prerequisite: ESLG 320 with a grade of "C" or better and either ESLW 320 or higher with a grade of "C" or better or concurrent enrollment in ESLW 320 or higher; OR ENGWR 101 with a grade of "C" or better; OR concurrent enrollment in ENGWR 101; OR, for students not previously enrolled in ESL courses within the Los Rios district, placement through the Los Rios assessment process.
Course Transferable to CSU
Hours: 36 hours LEC
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. This course 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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
This is an experimental course offering designed to provide students with courses not normally offered by the ESL department. Course topics will be structured around new and emerging issues related to the field of ESL. 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.

Ethnic Studies

Degrees:
- **A.A. – Ethnic Studies, African-American Emphasis**
- **A.A. – Ethnic Studies, Asian-American Emphasis**
- **A.A. – Ethnic Studies, Mexican-American Emphasis**
- **A.A. – Ethnic Studies, Native-American Emphasis**

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Program Information
The need for a more extensive inclusion of minority groups in the American educational system is widely recognized. The Ethnic Studies Program at Sacramento City College is 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 perspective on ethnic groups not ordinarily fully provided in educational institutions.
At Sacramento City College the program is offered with an emphasis on African-American, Mexican-American, Asian-American, or Native American culture. In addition to the required introductory course in Ethnic Studies, general courses on American ethnic groups are offered in sociology, psychology, anthropology, and history.

Ethnic Studies, African-American Emphasis

Associate in Arts Degree

Career Opportunities
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 specialist, etc. The program will also give a background to students hoping to teach in primary, secondary, or post-secondary school programs.

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 African Americans as it relates to history, politics, social sciences, and the humanities.

Required Program	**Units**
SOCSC 300 Introduction to Ethnic Studies	3
A minimum of 15 units from the following:	15
SOCSC 320 Socio-Cultural, Economic and Political Experience of the African-American (3)	
ENGLT 331 African-American Literature (1730-1930) (3)	
ENGLT 332 African-American Literature (1930-Present) (3)	
HIST 320 History of the United States: African – American Emphasis (3)	
HIST 321 History of the United States: African-American Emphasis (3)	
HIST 344 Survey of California History: A Multicultural Perspective, (3)	
HIST 360 History of African Civilizations (3)	
Total Units Required	**18**

Suggested Electives
ARTH 328, 330; ANTH 310 or 481, 320, 341; PSYC 367; SOC 300 or 480, SOC 321

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Ethnic Studies, Asian-American Emphasis

Associate in Arts Degree

Career Opportunities
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 specialist, etc. The program will also give a background to students hoping to teach in primary, secondary, or post-secondary school programs.

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 Asian Americans as it relates to history, politics, social sciences, and the humanities.

Required Program	**Units**
SOCSC 300 Introduction to Ethnic Studies	3
SOCSC 325 Asian Experience in America	3
HIST 344 Survey of California History: A Multicultural Perspective	3
HIST 364 Asian Civilization	3
HIST 365 Asian Civilization	3
ENGLT 334 Asian-American Literature	3
Total Units Required	**18**

Suggested Electives
ANTH 310 or 481, 317, 320, 341; ARTH 332; CANT 401, 402, 411, 412; JAPAN 401, 402, 411, 412; MAND 401, 402, 411, 412; PSYC 367; SOC 300 or 480, SOC 321; TGLG 401, 402; VIET 401, 402

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Ethnic Studies, Mexican-American Emphasis

Associate in Arts Degree

Career Opportunities

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 specialist, etc. The program will also give a background to students hoping to teach in primary, secondary, or post-secondary school programs.

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 Mexican Americans as it relates to history, politics, social sciences, and the humanities.

Required Program	Units
SOCSC 300 Introduction to Ethnic Studies	3
SOCSC 332 The Sociology and Psychology of Mexicans and Latinos in the United States	3
SOCSC 330 Mexican-Americans in the United States	3
HIST 344 Survey of California History: A Multicultural Perspective (3) or HIST 375 The History of Modern Latin America and Caribbean (3)	3
HIST 373 History of Mexico	3
ENGLT 335 Latino, Mexican-American, and Chicano Literature	3
Total Units Required	**18**

Suggested Electives

ARTH 324, ANTH 310 or 481, 320, 341; PSYC 367, SOC 300 or 481, 321; SPAN 401, 402, 411, 412

Associate in Arts (A.A.) Degree

The Associate in Arts 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.

Ethnic Studies, Native-American Emphasis

Associate in Arts Degree

Career Opportunities

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 specialist, etc. The program will also give a background to students hoping to teach in primary, secondary, or post-secondary school programs.

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 Native Americans as it relates to history, politics, social sciences, and the humanities.

Required Program	Units
SOCSC 300, Introduction to Ethnic Studies	3
A minimum of 15 units from the following: SOCSC 335 Introduction to Native-American Studies (3) SOCSC 336 Native-American Culture and the Impact of Federal Policy (3) HIST 310 History of the United States (3) HIST 344 Survey of California History: A Multicultural Perspective (3) ANTH 332 Native Peoples of California (3) ANTH 334 Native Peoples of North America (3)	15
Total Units Required	**18**

Suggested Electives

ANTH 341, ARTH 324, PSYC 367, SOC 300 or 481, SOC 321

Associate in Arts (A.A.) Degree

The Associate in Arts 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.

299 Course Not Transferable

An Experimental Offering is a course that is offered on a trial basis. Refer to the Schedule of Classes for more specific offerings.

ACCT 299
AH 299
BIOL 299
BUSTEC 299
CHEM 299
CISC 299
CISN 299
CISW 299
COSM 299
DAST 299
DHYG 299
ECE 299
ECON 299
ENGLB 299
ENGRD 299
ENGWR 299
ESL 299
ESLW 299
ET 299
FASHN 299
FREN 299
GCOM 299
GERM 299
HCD 299
JAPAN 299
MAND 299
MATH 299
MET299
MGMT 299
MTRCL 299
NURSE 299
OTA 299
PHOTO 299
PTA 299
RAILR 299
SPAN 299
VN 299

499 Course Transferable to CSU as elective units

Course Transferable to UC (see courses marked with an asterisk, 499*): 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.

An Experimental Offering is a course that is offered on a trial basis. Refer to the Schedule of Classes for more specific offerings.

ACCT 499*
ADAPT 499*
ADMJ 499
AERO 499
AH 499
ANTH 499*
ART 499*
ARTH 499*
ASTR 499*
BIOL 499*
BUS 499
BUSTEC 499
CANT 499*
CHEM 499*
CISA 499
CISC 499*
CISN 499
CISP 499*
CISW 499
COMDE 499
COMM 499*
DANCE 499*
ECE 499*
ECON 499*
EDT 499
ENGR 499*
ENGCW 499*
ENGED 499
ENGLT 499*
ENGRD 499
ENGWR 499*
ESL 499
ESLG 499
ESLR 499
ESLW 499*
ET 499
FASHN 499*
FCS 499*
FITNS 499*
FREN 499*
GCOM 499*
GEOG 499*
GEOL 499*
GERM 499*
GERON 499*
HCD 499*
HEED 499*
HIST 499*
HSER 499
HUM 499*
IDES 499*
JAPAN 499*
JOUR 499
KINES 499*
LIBR 499
LIBT 499
MAND 499*
MATH 499*
MET 499
MGMT 499
MKT 499
MUFHL 499*
MUIVI 499*
MUP 499*
MUSM 499
NURSE 499
NUTRI 499*
PACT 499*
PHIL 499*
PHOTO 499
PHYS 499*
PNJABI 499*
POLS 499*
PSYC 499*
RE 499
RECR 499
RUSS 499*
SGVT 499
SILA 499*
SOC 499*
SOCSC 499*
SPAN 499*
STAT 499*
SURVY 499
TA 499*
TAFILM 499
TAP 499*
TGLG 499*
TMACT 499*
VIET 499*

Family and Consumer Science FCS

Degree:
A.A. – Family and Consumer Science

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Family and Consumer Science

Associate in Arts Degree

Program Information
The Family and Consumer Science A.A. Degree curricula 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, Instructional Assisting, 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 A.A. 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.

Career Opportunities
Opportunities for students with an A.A. 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, Physical Therapy Aide, Occupational Therapy Aide, Respiratory Therapy Aide, 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.

Transfer Students
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 Requirements of Transfer Institutions section of this 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.

Students preparing for teaching credentials in Family and Consumer Science are advised to see a counselor for planning assistance and should read the Teacher Education section of this catalog (see Pre-Professional Programs and Liberal Arts Degree for Elementary Teaching).

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.

Required Program	**Units**
NUTRI 300 Nutrition	3
NUTRI 330 Food Theory and Preparation	4
FASHN 320 Textiles	3
FASHN 310 Fashion Analysis/Clothing Selection	3
FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction	3
FCS 320 Marriage and the Family (3)	3
or SOC 310 Marriage and the Family (3)	
SOC 312 The Child, the Family and the Community (3)	3
or ECE 314 The Child, the Family and the Community (3)	
GERON 300 Sociology of Aging (3)	3
or SOC 335 Sociology of Aging (3)	
IDES 300 Fundamentals of Interior Design	3
GERON 302 Psychology of Aging: Adult Development and Aging (3)	3
or PSYC 374 Psychology of Aging: Adult Development and Aging (3)	
ECE 322 Promoting Children's Social Competence (3)	3
Total Units Required	**34**

Suggested Electives
ECE 415, FCS 324, SOC 380, SOC 382

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Family and Consumer Science (FCS)

FCS 294 Topics in Family and Consumer Science .5-4 Units

Prerequisite: None.
Hours: 72 hours LEC
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 1-3 Units

Prerequisite: None.
Hours: 54 hours LEC
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. This course may be taken one time for credit.

FCS 304 Concepts in Personal Finance 3 Units

Same As: BUS 320
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.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to CSU
Hours: 54 hours LEC
This course is designed to teach students to analyze their own finances. Elements and concepts of financial planning will be examined such as: budgeting, taxes, borrowing, money management, insurance, investments, and retirement. Students may receive credit for FCS 304 or BUS 320 but not for both.

FCS 306 Family Law Issues 3 Units

Prerequisite: None.
Advisory: ENGWR 101 with grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This is an introductory course that provides basic knowledge of both civil and criminal laws dealing with family and domestic issues. The course explores paternity suits, pre-nuptial agreements, divorce, child custody, child support, alimony, spousal abuse, restraining orders, child visitation violations, parental kidnapping, and numerous other domestic problems faced by the justice system and families.

FCS 320 Marriage and the Family 3 Units

Same As: SOC 310
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.
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D7; CSU Area E1; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.)

FCS 324 Human Development: A Life Span 3 Units

Same As: PSYC 370
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340; and ESL 114 with grades of "C" or better.
General Education: AA/AS Area V(b); CSU Area D9; CSU Area E1; IGETC Area 4G; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PSY 180)

FCS 326 Sex and Gender in the U.S. 3 Units

Same As: SOC 341
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.
General Education: AA/AS Area V(b); CSU Area D0; CSU Area D4; CSU Area E1; IGETC Area 4D; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course focuses on gender relations in American society. It examines historical, social, economic, political, and cultural forces in shaping gender identity, gender roles, and gender expectations. 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. (Credit for FCS 326 or SOC 341.)

FCS 495 Independent Studies in Family and Consumer Science 1-3 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LAB
See Independent Studies. 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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental Offering. 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.

Fashion-Applied Apparel Studies FASHN
Interior Design IDES

Degree:
A.A. – Applied Apparel Studies Production
A.A. – Custom Apparel Construction and Alterations

Certificates of Achievement:
Applied Apparel Studies Construction
Custom Apparel Construction and Alterations
Fashion Design and Production

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Applied Apparel Studies Production
Associate in Arts Degree

Program Information
The Applied Apparel Studies Production program is designed to provide a program of study for students interested in pursuing a career in Fashion as a cutter/draper/tailor in fashion studios or costume work rooms, production, and textiles. Selected courses provide students with lifelong learning knowledge and consumer skills. The Applied Apparel Studies Production Associate in Arts Degree provides students with an option for a career or the requisite foundation for transfer to a four-year college or university.
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 grown steadily 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 has steadily grown in numbers. This is because the high-end tasks are performed in the U.S. such as computer aided design and pattern making, size grading, and color setting, 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.

Career Opportunities
Entry-level jobs in this field can be found in apparel production companies, apparel manufacturing plants, designer workrooms, custom sewing workrooms, and theatrical production. 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.

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 and interior design soft furnishing 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.

Required Program	**Units**
FASHN 310 Fashion Analysis/Clothing Selection	3
FASHN 312 Fashion for Film, Television, & Stage	3
FASHN 320 Textiles	3
FASHN 330 History of Western World Fashion	3
FASHN 340 Apparel & Fashion Illustration	3
FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction	3
FASHN 368 Stretch II	3
FASHN 372 Pattern Making and Design	3
FASHN 373 Pattern Drafting	3
FASHN 377 Draping Couture	3
Total Units Required	**30**

Associate in Arts (A.A.) Degree
The Associate in Arts 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

Applied Apparel Studies Construction

Certificate of Achievement

Program Information
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 provide students the tools needed for entry-level jobs in multiple subject areas.

Career Opportunities
This certificate prepares students for entry level jobs in the apparel industry and costume studios.

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.

Required Program	Units
FASHN 320 Textiles	3
FASHN 350 Applied Apparel Studies/ Premier Level Construction	3
FASHN 351 Applied Apparel Studies/ Intermediate Principles of Construction	3
FASHN 352 Applied Apparel Studies/ Advanced Couture Construction	3
Total Units Required	**12**

Suggested Electives
ACCT 101, 301; ART 300, 320, 336; BUS 220, CISC 300, FASHN 352, 355, 360, 373, 394; MGMT 372, WEXP 298

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grade of "C" or better or equivalent.

Custom Apparel Construction and Alterations

Associate in Arts Degree

Program Information
Students enrolled in this program will have developed advanced skills in apparel construction as well as custom techniques to repair, fit, and alter ready-to-wear clothing.

Career Opportunities
Entry level jobs in this field can be found in dry-cleaning establishments, clothing stores, and department stores. This program can also prepare the student for self-employment. Other examples include, Alteration Specialist, Costume Designer, Museum Curator, Textile Restoration, Bridal Consultant, Entrepreneur, Design Room Assistant, First Pattern Maker, Grader, and Tailor.

Upon completion of this program, the student will be able to:
- analyze and identify textile fibers, yarn fabrications, dyestuffs and finishes and how these relate to performance and serviceability of materials.
- apply the elements and principles of design as related to apparel for individuals in contemporary western fashion as compared to the influence of past fashion and other cultures.
- assemble apparel and interior design soft furnishing 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.
- demonstrate the ability to make garment pieces fit each other and the body that wears them; adjust patterns to body measurements and contours.
- manipulate pattern blocks and develop style changes with the flat pattern method of designing first patterns from a designer's trade sketch for a targeted customer.
- exhibit on-the-job skills such as punctuality, working with people, negotiating, pricing, record keeping, communicating, resource development, and professional practices.
- analyze the fit of ready-to-wear and custom sewn garments and solve fitting problems, using industry methods and 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.

Required Program	Units
FASHN 310 Fashion Analysis/Clothing Selection	3
FASHN 320 Textiles	3
FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction	3
FASHN 355 Traditional Tailoring (3)	3
FASHN 360 Clothing Alterations	3
FASHN 364 Menswear Construction	3
FASHN 370 Pattern Adjustment and Fit	3
FASHN 368 Stretch II	3
FASHN 394 Apparel Entrepreneur	3
Total Units Required	**27**

Suggested Electives
FASHN 340, 355, 356, 376; ACCT 101, 301; ART 320; BUS 220; CISC 300; MGMT 372; WEXP 298

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Custom Apparel Construction and Alterations

Certificate of Achievement

Program Information
Students enrolled in this program will have developed advanced skills in apparel construction as well as custom techniques to repair, fit, and alter ready-to-wear clothing.

Career Opportunities
Entry level jobs in this field may be found in dry-cleaning establishments, clothing stores, and department stores. This program can also prepare the student for self-employment.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051399C01

Upon completion of this program, the student will be able to:
- analyze and identify textile fibers, yarn fabrications, dyestuffs and finishes and how these relate to performance and serviceability of materials.
- apply the elements and principles of design as related to apparel for individuals in contemporary western fashion as compared to the influence of past fashion and other cultures.
- assemble apparel and interior design soft furnishing 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.
- demonstrate the ability to make garment pieces fit each other and the body that wears them; adjust patterns to body measurements and contours.
- manipulate pattern blocks and develop style changes with the flat pattern method of designing first patterns from a designer's trade sketch for a targeted customer.
- exhibit on-the-job skills such as punctuality, working with people, negotiating, pricing, record keeping, communicating, resource development, and professional practices.
- analyze the fit of ready-to-wear and custom sewn garments and solve fitting problems, using industry methods and 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.

Required Program	Units
FASHN 310 Fashion Analysis/Clothing Selection	3
FASHN 320 Textiles	3
FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction	3
FASHN 352 Applied Apparel Studies / Advanced Couture Construction	3
FASHN 355 Traditional Tailoring	3
FASHN 360 Clothing Alterations	3
FASHN 370 Pattern Adjustment and Fit	3
FASHN 394 Apparel Entrepreneur	3
Total Units Required	**24**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

Fashion Design and Production

Certificate of Achievement

Program Information
The Fashion curriculum is designed to provide a program of study for students interested in pursuing a career in Fashion: Merchandising, Design, Production, and Textiles. Selected courses provide students with lifelong learning knowledge and consumer skills. The Fashion Design and Production Certificate provides students with an option for a career or the requisite foundation for transfer to a four-year college or university.

Career Opportunities
Entry-level jobs in this field can be found in apparel production companies, apparel manufacturing plants, designer workrooms, custom sewing workrooms, and theatrical production. This program can also prepare a student for self-employment or entrepreneurship.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051400C01

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 and interior design soft furnishing 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, grading, sorting, and labeling.
- 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, yarn 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, coping with anxiety, and the ability to work cooperatively with others.

Required Program	Units
FASHN 141 Fashion Illustration Portfolio	2
FASHN 150 Fundamentals of Sewing/Beginning Sewing	3
FASHN 310 Fashion Analysis/Clothing Selection	3
FASHN 312 Fashion for Film, Television, & Stage	3
FASHN 320 Textiles	3
FASHN 330 History of Western World Fashion	3
FASHN 340 Apparel & Fashion Illustration	3
FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction	3
FASHN 372 Pattern Making and Design	3
FASHN 373 Pattern Drafting	3
Total Units Required	**29**

Suggested Electives
ART 320, BUS 105, 220; FASHN 352, 355, 360, 370; WEXP 298

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

Fashion (FASHN)

FASHN 141 Fashion Illustration Portfolio 2 Units

Prerequisite: FASHN 340 with a grade of "C" or better
Hours: 18 hours LEC; 54 hours LAB
This course is intended for students who wish to present a portfolio of work in fashion design-related industries for the purpose of job interviews or admission to a four-year art/design school. Through lecture, demonstration, hands-on methods, and research into fashion history, students will improve and personalize their illustration and design style while gaining understanding of the aesthetics, organization, and physical preparation in creating a portfolio of work. Topics include fashion history, portfolio mediums, mounting and presentation, self-promotion, resumes, pursuing a job or school transfer, and interviewing for a creative position. The cost per student to participate is $30-$50.

FASHN 150 Fundamentals of Sewing/Beginning Sewing 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and LIBR 318; and MATH 34 with grades of "C" or better.
Hours: 36 hours LEC; 54 hours LAB
This course covers the basic techniques for construction of men's, women's, and children's clothing and home accessories. Students will learn about materials and sewing supplies selection, sewing machine operation, and reading pattern instructions. Simple 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. Students will be advised to purchase sample kits from the SCC College Store. The cost per student to participate is approximately $30-$50. One field trip to a fabric store may be required. A substitute activity will be provided for students who cannot attend the field trip.

FASHN 157 Apparel & Fashion Accessories 1 Unit

Prerequisite: None.
Hours: 12 hours LEC; 18 hours LAB
Apparel and fashion garments are not complete without accessories. The topics covered in these skill courses will give the student the understanding of when, where, why, and how accessories are used and constructed. The cost per student to participate in this course is approximately $30-$80.

FASHN 299 Experimental Offering in Fashion .5-4 Units

Prerequisite: None
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering

FASHN 310 Fashion Analysis/ Clothing Selection 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and LIBR 318 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESL 114, ESLR 320, and ESLW 320; FASHN 340, LIBR 318, and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course will expose a student to the procedures for research and understanding and creation of fashions for film, television, and stage. This course is a theory and practicum course. Students will create a sketchbook based on three areas of fashion/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 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and LIBR 318 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 optional field trip will be taken.

FASHN 321 Fabric Manipulation 3 Units

Prerequisite: FASHN 350 with a grade of "C" or better; FASHN 150 with a grade of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course will give the student the opportunity to explore a variety of different surface manipulations of fabrics. Different techniques will be created in samples for use on garments that students may create in other Fashion courses. The different fabric treatments that will be explored are: fabric manipulation, quilting, and applique. Students will choose and purchase their own materials from a list given at the start of class. The cost of materials per student is approximately $75-$100.

FASHN 322 Fashion Embellishments 3 Units

Prerequisite: FASHN 350 with a grade of "C" or better; FASHN 150 with a grade of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course will give the student the opportunity to explore surface embellishments. The techniques learned will to create sample blocks to be used on garments in other Applied Apparel Studies courses. Topics that make up embellishments are Embroidery, Tassel and Closures, Ribbon Work, and Beading and Lace. The cost to participate per student is approximately $40-$60.

FASHN 323 Fabric Treatments 1 Unit

Prerequisite: FASHN 150 with a grade of "C" or better or equivalent
Course Transferable to CSU
Hours: 12 hours LEC; 18 hours LAB
This collection of skill topics will give students the opportunity to explore different fabric surface dyeing and painting. Each skill will be incorporated into apparel throughout the Applied Apparel program. The topics included are Fabric Dyeing, and Fabric Painting. The cost to participate per student is approximately $50-$85.

FASHN 330 History of Western World Fashion 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and LIBR 318 with grades of "C" or better.
General Education: AA/AS Area I; CSU Area C2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 333 Fashion Textiles & History on the Global Stage 3 Units

Prerequisite: FASHN 320, 330, 350, and 351 with grades of "C" or better
Advisory: ENGRD 110 and ENGWR 101; or ESL 114, ESLR 320, and ESLW 320; and LIBR 318 and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course, offered as a study abroad course, in World Class Fashion Centers such as: England, France, Italy, China, Japan, and Vietnam, surveys the history of fashion and textiles, period garments, and modern couture collections. The focus is to examine the historical expression of fashion, textiles, and style contained in works of renowned museums and couture collections. In England, the course focuses on two museums, The Victoria & Albert and The Bath. London also offers the Hand & Lock Embroidery School that showcases student work on a global scale. In France, the focus will be in Paris to explore couture collections of fashion houses. In Italy, the focus will be the artistic fashion expressions of textiles in the European fashion capitals of Milan and Florence. China, Japan, and Vietnam offer spectacular textiles and the Kyoto Collection of garments. Also, the students will produce notebooks based on their impressions of specific areas of travel. These notebooks will be incorporated into portfolios for use in employment and/or university reviews. The specific itinerary will be determined at travel time. The cost per student to participate in this course will depend on cost of travel at time of bookings.

FASHN 335 Historic Costuming 3 Units

Same As: TA 436
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320; FASHN 340, FASHN 150, LIBR 318, and MATH 34 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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. An alternative activity will be available if a student cannot attend the field trip. 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 340 Apparel & Fashion Illustration 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
In this course, the processes of a fashion designer, costume designer, and cutter /draper are explored. Through research, illustration, and rendering, the understanding of a garment emerges. Students will learn to draw the skeleton, muscles, and skin of the human body as a two-dimensional form. Students will also fine-tune their skills of dressing the form and completing the rendering and illustration in paint, color, and texture. Topics will include fabric interpretation, personal style, fashion design, period costume, and theatrical costume. Students will create a collection of illustrations for use in a professional portfolio. The cost for students to participate will be approximately $25-$50. This course was formerly FASHN 140.

FASHN 345 Flats and Specs 3 Units

Prerequisite: FASHN 150 and 340 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course presents a comprehensive compilation of technical design principles necessary for current apparel manufacturing processes. Students will learn how to sketch and illustrate apparel in a flat perspective. Based on key measurements and specifications for garments, each illustration will become a tool for translating designs.

FASHN 350 Applied Apparel Studies / Premier Level Construction 3 Units

Prerequisite: FASHN 150 with a grade of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides training in fitting garment muslins and making adjustments to paper patterns. The first section of the course will cover samples in seams, hems, zippers, and sleeve applications. The second section of the course will be concentrate on the proper use and understanding of serger machines. During the remainder of the course students will produce a garment utilizing samples from the notebook and the serger. This course will introduce the students to the care, maintenance, and working knowledge of an industrial sewing machine. One field trip is required. Students will be advised to purchase sample fabric kits from the SCC College Store, along with other student choices of patterns and materials purchased from local stores. The cost per student to participate will be approximately $75-$125.

FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction 3 Units

Prerequisite: FASHN 350 with a grade of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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. The course may be taken one time. One field trip is required. The cost to participate per student is approximately $70-$100.

FASHN 352 Applied Apparel Studies / Advanced Couture Construction 3 Units

Prerequisite: FASHN 351 with a grade of "C" or better or equivalent
Advisory: FASHN 350 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course covers apparel construction techniques applied to several challenging designs, that 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 continue the instruction of the use and care of industrial sewing machines. One field trip is required. Students will be advised to purchase a sample kit from the SCC College Store. The cost per student to participate is approximately $70-$100.

FASHN 354 Building Corsets 3 Units

Prerequisite: FASHN 350 with grades of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course will enable a student to create a corset and a foundation garment needed for advanced garments. The student will learn to identify the appropriate corset fabrics, boning, and findings that are used in making corsets. Instruction will include layout, measuring, fitting, and construction of a basic corset. One field trip is required. An alternative activity will be available if a student cannot attend the field trip. The cost per student to participate will be approximately $75-$125.

FASHN 355 Applications in Tailoring 3 Units

Prerequisite: FASHN 351 with a grade of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
The 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. 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 and coats. The course will also include speed construction techniques. One field trip may be required. The cost per student to participate is approximately $40-$125.

FASHN 360 Clothing Alterations 3 Units

Prerequisite: FASHN 150 with a grade of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides instruction in techniques for operating commercial sewing machines, pressing equipment, and sewing tools to perform the various sewing skills in making ready-to-wear alterations and repairs. The student will analyze properly and improperly fitted garments and predict and complete alterations necessary for women's, men's, and children's ready-to-wear garments. One field trip may be required. The cost per student to participate is approximately $25-$40.

FASHN 361 Pants; Fit, Style and Construction 3 Units

Prerequisite: FASHN 150 and FASHN 350 with grades of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This apparel construction course focuses on selecting pants patterns and suitable fabrics. Through the process of pant evaluation and pattern adjustments, a base block pattern can be constructed. From this basic block, personal style variations can be fitted and constructed. This course also covers variations for men's and women's pant styles and applications. The cost per student to participate is approximately $75-$120.

FASHN 364 Menswear Construction 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Men never looked so good! Students will study the skill needed to construct men's garments. Details will include measurements, pattern drafting, slopers, and blocks. In-depth treatments of patternmaking will cover casual to tailored apparel for the modern man. The cost per student to participate is $45 to $85.

FASHN 366 Menswear Style 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This course covers all aspects of men's clothing, from sportswear and casual to tailored clothing and formal wear. Design details such as size of lapel, width of pant legs, pockets, collars, and sleeves will be discussed. Practical style elements like the fit of a jacket, or the break in a pant hem will be covered in detail. How to dress a successful men's wear collection will be covered.

FASHN 367 Stretch I 3 Units

Prerequisite: FASHN 150 and 350 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course covers the essentials of stretch construction, including sizing, terms, and principles. Construction and fitting techniques will be used to draft a sloper block. Students will use industrial sewing and serger machines to construct loungewear, yoga outfits, body suits, leotards swimsuits, and other activewear. One field trip is required. Materials will cost approximately $65-$125 per student.

FASHN 368 Stretch II 3 Units

Prerequisite: FASHN 150, 350, and 351 with grades of "C" or better
Advisory: ENGRD 110, ENGWR 101, and MATH 34
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course covers stretch wear from 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 with an emphasis on bias construction will be explored. Students will construct garments utilizing industrial sewing and serger machines as well as in-class sergers. One filed trip is required. The cost per student to participate in this course is approximately $60-$125.

FASHN 370 Pattern Adjustment and Fit 3 Units

Prerequisite: FASHN 351 with a grade of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is a study of how to make patterns fit taking body and pattern measurements and their relationship to a variety of body fitting differences. Extensive pattern adjustment techniques will be demonstrated, practiced, and applied to a "basic" garment pattern, which will become a sloper for flat pattern design. Garment fitting techniques and refinements will be done through garment alterations on a fitting "muslin" of the "basic" garment. These alterations will be examined on the students and an industry standard apparel form. The cost per student to participate is approximately $40-$65.00.

FASHN 371 Draping Daywear 3 Units

Prerequisite: FASHN 350 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This is an advanced creative course that provides students with another dimension of fabric manipulation. Draping is a skill that allows an idea to be explored on an industry standard apparel form. Students will drape several daywear garments on half scale and full-size apparel forms. One garment will be executed in fashion fabric. The cost to participate per student is approximately $50-$100.

FASHN 372 Pattern Making and Design 3 Units

Prerequisite: FASHN 351 with a grade of "C" or better, or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course offers an introduction to the flat pattern method of apparel design. Students will develop/refine a personal sloper from a commercial basic pattern. This sloper will be used to create various full size patterns and a student designed garment. Pattern making techniques will be perfected with 1/2 or 1/4 size patterns. Students will learn how to combine pattern design variations to create new designs. The cost per student to participate will be approximately $30-$50.

FASHN 373 Pattern Drafting 3 Units

Prerequisite: FASHN 372 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course will include instructions on how to draft slopers using industry standard measurements to create basic blocks for woven fabrics. Using the basic blocks, students will develop first patterns for simple garment designs and construct sample garments to test fit on industry standard apparel forms. The cost per student to participate will be approximately $50-$100.

FASHN 376 Advanced Design – Drafting, Advanced Flat Pattern Techniques and Computer Aided Design 3 Units

Prerequisite: FASHN 372 with a grade of "C" or better
Advisory: CISC 300 with grade of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course will include instruction on how to draft basic pattern pieces from measurements, create advanced slopers for torsos, basic jackets, knits, and create advanced flat pattern design details. Students will be introduced to CAD, computer aided design. Everything that can be done by hand can be done on the computer including: drawing flats (fashion illustrations of garment designs), pattern measuring and adjustments, flat pattern design techniques, "digitizing-in" patterns, grading patterns, layout, marker making, and plotting pattern pieces. The cost per student to participate is approximately $35-$60.

FASHN 377 Draping Couture 3 Units

Prerequisite: FASHN 150, 350, 351, 352, 371, and 372 with grades of "C" or better
Advisory: ENGRD 110, ENGWR 101, and MATH 34; with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course covers advanced draping skills found in the production of couture apparel. Bias contouring techniques will combine with advanced sequencing skills in specialty fabrics to produce a custom fitting garment. One field trip is required. The cost per student to participate in this course is approximately $50-$125.

FASHN 394 Apparel Entrepreneur 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course will give students the opportunities to investigate specific topics more directly.

FASHN 499 Experimental Offering in Fashion .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Interior Design (IDES)

IDES 300 Fundamentals of Interior Design 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW320 or ESL 114; and LIBR 318; and MATH 34 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 54 hours LEC
This introductory survey course addresses various aspects of interior styling, staging, and production. It includes the study and application of design principles and elements; influences of historical, cultural, and functional design factors; the selection and arrangement of interior furnishings and materials; and an overview of career options in interior related fields.

IDES 308 Styling and Staging, Residential 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course explores aspects of styling interior residential spaces and staging homes for resale. The course covers both interior and exterior spaces. Specific topics covered include successful curb appeal, decluttering and depersonalizing interior spaces, and creating a positive emotional experience for a prospective buyer.

IDES 321 Textiles for Interior Styling, Staging, and Production 3 Units

Prerequisite: None.
Advisory: ENGRD 110, ENGWR 101, and MATH 34; with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course covers textiles used in an interior environment. This is a consumer-oriented introduction to the study of fibers, textures, weaves, and finishes. The course also explores the appropriate selection, uses, and care of textiles in furnishings, bedding, table-top, and home accessories.

IDES 322 Materials of Interior Design 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and IDES 300; and LIBR 318; and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
The focus of this course is the materials used in interior design, their characteristics, sources, and applications. Students will study the design process, technology in the industry, aesthetics, furnishings, specifications of interior finish materials, and current issues in the field. The professional role of the interior designer in relation to that of the client, contractor, and consultants also will be examined. One field trip is required.

IDES 333 Space Planning for Residential and Commercial Spaces 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course blends technical floor plans with visual space planning of residential and commercial spaces. The course includes necessary elements of styling and staging residential spaces for sale. Students will understand and execute drafted floor plans for interior spaces. These interior spaces will be part of client homes or residences for resale.

IDES 401 Tabletop Production 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Students will explore skills needed for tabletop accessory fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior design industry. One field trip is required to observe an interior design production facility.

IDES 402 Soft Furnishings Fabrication – Home Accessories 3 Units

Prerequisite: FASHN 150 with a grade of "C" or better
Advisory: FASHN 351, IDES 300, and IDES 322 with grades of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Students will gain skills needed for soft furnishing home accessory projects, such as table accessory, pillow, cushion, chair covering and bedding fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior styling, staging, and production industry. One field trip is required.

IDES 402.1 Soft Furnishings Fabrication – Table Accessories 1 Unit

Prerequisite: FASHN 150 with a grade of "C" or better
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and FASHN 153; and FASHN 320; and FASHN 351; and IDES 300; and IDES 322; and LIBR 318; and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 12 hours LEC; 18 hours LAB
Students will be introduced to skills needed for table accessory fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior design industry. One field trip is required to observe an interior design production facility.

IDES 402.2 Soft Furnishings Fabrication – Pillows, Cushions, and Chair Coverings 1 Unit

Prerequisite: FASHN 150 with a grade of "C" or better
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and FASHN 320; and FASHN 351; and IDES 300; and IDES 322; and LIBR 318; and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 12 hours LEC; 18 hours LAB
Students will be introduced to skills needed for pillow, cushion, and chair-covering fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior design industry. One field trip is required to observe an interior design production facility.

IDES 402.3 Soft Furnishings Fabrication – Bedding 1 Unit

Prerequisite: FASHN 150 with a grade of "C" or better
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and FASHN 320; and FASHN 351; and IDES 300; and IDES 322; and LIBR 318; and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 12 hours LEC; 18 hours LAB
Students will be introduced to skills needed for bedding fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior design industry. One field trip is required to observe an interior design production facility.

IDES 403 Soft Furnishings Fabrication – Window Treatments 3 Units

Prerequisite: FASHN 150 with a grade of "C" or better
Advisory: FASHN 351, IDES 300, and IDES 322 with grades of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Students will be introduced to skills needed for soft furnishings window treatment projects such as window shade, curtain, drapery, and window top treatment fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior design industry. One field trip is required.

IDES 403.1 Soft Furnishings Fabrication – Window Shades 1 Unit

Prerequisite: FASHN 150 with a grade of "C" or better
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and FASHN 153; and FASHN 320; and FASHN 351; and IDES 300; and IDES 322; and LIBR 318; and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 12 hours LEC; 18 hours LAB
Students will be introduced to skills needed for window shade fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior design industry. One field trip is required to observe an interior design production facility.

IDES 403.2 Soft Furnishings Fabrication – Curtains and Draperies 1 Unit

Prerequisite: FASHN 150 with a grade of "C" or better
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and FASHN 153; and FASHN 320; and FASHN 351; and IDES 300; and IDES 322; and LIBR 318; and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 12 hours LEC; 18 hours LAB
Students will be introduced to skills needed for curtain and drapery fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior design industry. One field trip is required to observe an interior design production facility.

IDES 403.3 Soft Furnishings Fabrication – Window Top Treatments 1 Unit

Prerequisite: FASHN 150 with a grade of "C" or better
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and FASHN 153; and FASHN 320; and FASHN 351; and IDES 300; and IDES 322; and LIBR 318; and MATH 34 with grades of "C" or better.
Course Transferable to CSU
Hours: 12 hours LEC; 18 hours LAB
Students will be introduced to skills needed for window top treatment fabrication. Students will create projects using the specialized tools, fabrics, and techniques used by professionals in the interior design industry. One field trip is required to observe an interior design production facility.

IDES 499 Experimental Offering in Interior Design .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Foreign Languages

Degree:
AA-T – Spanish for Transfer

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

Arabic – ARABIC
Chinese – Cantonese-CANT/Mandarin-MAND
French – FREN
German – GERM
Greek – GREEK
Italian – ITAL
Japanese – JAPAN
Korean – KOREAN
Persian – PRSIAN
Punjabi – PNJABI
Russian – RUSS
Spanish – SPAN
Tagalog – TGLG
Vietnamese – VIET

Associate Degree for Transfer
A Degree with a Guarantee.

Spanish

Associate in Arts for Transfer
Program Description
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 (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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Career Opportunities
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.

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.

Required Program	**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]
SPAN 425 Advanced Reading and Conversation (3)	
SPAN 427 Introduction to Spanish American Literature (3)	
ENGLT 335 Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 346 Latin American Literature (3)	
HIST 373 History of Mexico (3)	
HIST 375 The History of Modern Latin America and Caribbean (3)	
SOCSC 332 The Sociology and Psychology of Mexicans and Latinos in the United States (3)	
Total Units Required	**19**

[1]The recommended sequence for most Spanish heritage speakers will be SPAN 413, SPAN 411, SPAN 415, and SPAN 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.

Associate in Arts for Transfer Degree
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.

Spanish (SPAN)

SPAN 101 Conversational Spanish, Elementary 3 Units

Prerequisite: None.

Hours: 54 hours LEC

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 3 Units

Prerequisite: SPAN 101 with a grade of "C" or better
Hours: 54 hours LEC

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 3 Units

Prerequisite: SPAN 102 with a grade of "C" or better
Hours: 54 hours LEC

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 3 Units

Prerequisite: SPAN 111 with a grade of "C" or better
Hours: 54 hours LEC

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 .5-4 Units

Prerequisite: None
Hours: 90 hours LEC

See Experimental Offerings

SPAN 401 Elementary Spanish 4 Units

Prerequisite: None.
Advisory: ENGWR 51 or ESLG 50 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC

This beginning course in Spanish is conducted almost entirely in Spanish. It emphasizes the development of language skills in listening, reading, speaking, and writing by focusing on the application of simple, grammatical concepts. It also includes cultural information about the Spanish speaking world. (C-ID SPAN 100)

SPAN 402 Elementary Spanish 4 Units

Prerequisite: SPAN 401 with a grade of "C" or better, or two years of high school Spanish with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC

The four skills of 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, the preterite and imperfect tenses, the reflexive, the affirmative informal command, the uses of the verbs saber and conocer, the prepositions por and para, and a review of the verbs ser and estar. The students prepare short talks using most of the above. Also, they write short paragraphs using most of the above in class and outside of class. Vocabulary is built through the exploration of cultural areas such as the home, vacations, jobs, childhood, youth, expressing emotions, foods, markets, and restaurants. The emphasis is on speaking and oral comprehension. (C-ID SPAN 110)

SPAN 411 Intermediate Spanish 4 Units

Prerequisite: SPAN 402 with a grade of "C" or better, or three years of high school Spanish with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC

This course is the continuation of SPAN 402, conducted entirely in Spanish. It provides further development of listening, speaking, reading, and writing skills within a cultural context. The grammatical focus is on the study and application of the subjunctive mood. Students will be expected to engage in meaningful communicative situations. 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. (C-ID SPAN 200)

SPAN 412 Intermediate Spanish 4 Units

Prerequisite: SPAN 411 with a grade of "C" or better; or four years of high school Spanish with a "C" grade or better.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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. (C-ID SPAN 210)

SPAN 413 Spanish for Native Speakers I 4 Units

Prerequisite: Spanish native speaker proficiency, or the equivalent intermediate level as assessed by the instructor.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 and culture of the Spanish-speaking world. This course is conducted in Spanish.

SPAN 415 Spanish for Native Speakers II 4 Units

Prerequisite: SPAN 413 with a grade of "C" or better
General Education: CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 3 Units

Prerequisite: SPAN 412 or 415 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: SPAN 412 or 415 with a grade of "C" or better
General Education: CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: SPAN 412 or 415 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: SPAN 102 or 402 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Arabic (ARABIC)

ARABIC 401 Elementary Arabic 5 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 90 hours LEC
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 5 Units

Prerequisite: ARABIC 401 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 90 hours LEC
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)

CANT 401 Elementary Cantonese 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
This beginning course in Cantonese Chinese 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 4 Units

Prerequisite: CANT 401 with a grade of "C" or better; or two years of high school Cantonese with grades of "C" or better.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: CANT 402 with a grade of "C" or better; or three years of high school Cantonese with grades of "C" or better.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: CANT 411 with a grade of "C" or better; or four years of high school Cantonese with grades of "C" or better.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 .5-4 Units
Prerequisite: None

Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

French (FREN)

FREN 101 Conversational French, Elementary 3 Units

Prerequisite: None.
Hours: 54 hours LEC
This is a first semester introduction to the French 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 utilizing learned materials. Speaking and writing will be comprehensible to a sympathetic listener. Verbal and written expression is limited to short, culturally appropriate communication. Students will acquire a knowledge of the geography, culture, and people of regions where French is spoken and of French-speakers' contributions to North American and world cultures.

FREN 102 Conversational French, Elementary 3 Units

Prerequisite: FREN 101 with a grade of "C" or better
General Education: AA/AS Area I
Hours: 54 hours LEC
This is second semester of Elementary French Conversation. It provides refinement of skills begun in the first semester course. Students will gain increased accuracy and ability to understand and produce appropriate responses in high frequency situations utilizing learned materials. Speaking and writing will be comprehensible to a sympathetic listener. Verbal and written expression will be limited to short, culturally appropriate communication on a broader scale than at the first semester level. Students will acquire a knowledge of the geography, culture, and people of regions where French is spoken and of French-speakers' contributions to North American and world cultures. This course is conducted primarily in French.

FREN 111 Conversational French, Intermediate 3 Units

Prerequisite: FREN 102 with a grade of "C" or better; or 3 years of high school French
General Education: AA/AS Area I
Hours: 54 hours LEC
This third semester course is conducted exclusively in French and 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, with emphasis on the French cultural settings.

FREN 112 Conversational French, Intermediate 3 Units

Prerequisite: FREN 111 with a grade of "C" or better; or four years of high school French
General Education: AA/AS Area I
Hours: 54 hours LEC
The emphasis of this course is on further development of the student's speaking ability and self-expression in relevant situations. The concentration of this course of study is on verb and tense mastery and on the expansion of vocabulary, as well as further mastery of useful cultural idioms and language patterns. This course is conducted exclusively in French.

FREN 299 Experimental Offering in French .5-4 Units

Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

FREN 401 Elementary French 4 Units

Prerequisite: None.
General Education: CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: FREN 401 with a grade of "C" or better or two years high school French
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: FREN 402 with a grade of "C" or better or three years of high school French.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: FREN 411 with a grade of "C" or better; or four years of high school French
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

German (GERM)

GERM 299 Experimental Offering in German .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

GERM 401 Elementary German 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
This is a beginning course providing for the development of speaking, writing, understanding, and reading skills. The readings focus on German culture.

GERM 402 Elementary German 4 Units

Prerequisite: GERM 401 with a grade of "C" or better, or two years of high school German with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course is a further development of the four basic skills: listening, speaking, reading, and writing. It is a continued study of pronunciation, fundamentals of German grammar, and German culture.

GERM 411 Intermediate German 4 Units

Prerequisite: GERM 402 with a grade of "C" or better, or three years of high school German with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
This courses continues developing students' reading, writing, understanding, and speaking skills within a cultural context. It includes the reading and discussion of 20th century German literature. Students will expand their knowledge of the language, and gain a deeper understanding of the peoples and culture of the German-speaking world.

GERM 412 Intermediate German 4 Units

Prerequisite: GERM 411 with a grade of "C" or better, or four years of high school German with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course is a continuation of GERM 411 with further development of reading and writing skills in the German language. Literature will be analyzed and discussed to provide a deeper understanding of both the German language and culture.

GERM 499 Experimental Offering in German .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Greek (GREEK)

GREEK 401 Elementary Modern Standard Greek 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: GREEK 401 with a grade of "C" or better
General Education: CSU Area C2
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 omega and mu-alpha-iota the preterit tense, the reflexive, the affirmative informal command, the uses of the verbs ksero (to know) and sinanto (to meet), the prepositions yia and yiati and a review of the verbs eimai and eho. These language skills will be embedded within a cultural context which 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)

ITAL 401 Elementary Italian 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: ITAL 401 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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)

JAPAN 101 Conversational Japanese, Elementary 3 Units

Prerequisite: None.
General Education: AA/AS Area I
Hours: 54 hours LEC
JAPAN 101 covers pronunciation, intonation, basic vocabulary, idioms, and grammar of spoken Japanese. The grammar emphasizes word order, postpositions, and some conjugation in simple sentences. The course includes introduction to Japanese culture.

JAPAN 299 Experimental Offering in Japanese .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

JAPAN 401 Elementary Japanese 4 Units

Prerequisite: None.
Advisory: Three years of high school Japanese with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course focuses on the development of all language skills (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 kanji (everyday-use Sino-Japanese characters); and acquire a passive knowledge of the katakana syllabary.

JAPAN 402 Elementary Japanese 4 Units

Prerequisite: JAPAN 401 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
JAPAN 402 continues teaching vocabulary, idioms, and grammar, including 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 that lends itself to fruitful cross-cultural analysis.

JAPAN 411 Intermediate Japanese 4 Units

Prerequisite: JAPAN 402 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
JAPAN 411 continues teaching vocabulary, idioms, and grammar with 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 4 Units

Prerequisite: JAPAN 411 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
JAPAN 412 continues teaching vocabulary, idioms, and grammar with 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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental Offering. 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.

Korean (KOREAN)

KOREAN 401 Elementary Korean 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
Elementary Korean 401 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 4 Units
Prerequisite: KOREAN 401 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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)

MAND 101 Conversational Mandarin, Elementary 3 Units
Prerequisite: None.
Hours: 54 hours LEC
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 3 Units
Prerequisite: MAND 101 with a grade of "C" or better
Hours: 54 hours LEC
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 .5-4 Units
Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

MAND 401 Elementary Mandarin 4 Units
Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units
Same As: MAND 402
Prerequisite: MAND 401 with a grade of "C" or better; or two years of high school Mandarin.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 1 Unit
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 18 hours LEC
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 4 Units
Prerequisite: MAND 402 with a grade of "C" or better; or three years of high school Mandarin.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 reading on Chinese culture will be studied.

MAND 412 Intermediate Mandarin 4 Units
Prerequisite: MAND 411 with a grade of "C" or better; or four years of high school Mandarin.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 .5-4 Units
Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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. See Experimental Offering

Persian (PRSIAN)

PRSIAN 401 Elementary Persian 4 Units
Prerequisite: None.
General Education: AA/AS Area I; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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. (This course was formerly known as FARSI 401.)

PRSIAN 402 Elementary Persian 4 Units

Prerequisite: PERSIAN 401 with a grade of "C" or better or equivalent.
General Education: AA/AS Area I; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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. The student further develops his/her communication competency in the language and increases his/her understanding of Persian-speaking cultures. After completing this course, a student will be able to use language skills navigate daily life in a Persian-speaking community. (This course was formerly known as FARSI 402.).

Punjabi (PNJABI)

PNJABI 401 Elementary Punjabi 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: PNJABI 401 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
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. 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.

Russian (RUSS)

RUSS 101 Conversational Russian, Elementary 3 Units

Prerequisite: None.
General Education: AA/AS Area I
Hours: 54 hours LEC
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 3 Units

Prerequisite: RUSS 101 with a grade of "C" or better, or two years of high school Russian.
General Education: AA/AS Area I
Hours: 54 hours LEC
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 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
RUSS 401 teaches Russian alphabet pronunciation, grammar, elementary reading, writing, and conversation. The grammar emphasizes noun declension and verb conjugation. The course includes discussions on Russian culture.

RUSS 402 Elementary Russian 4 Units

Prerequisite: RUSS 401 with a grade of "C" or better; or two years of high school Russian with grades of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: RUSS 402 with a grade of "C" or better; or three years of high school Russian.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
The course provides intermediate level skills in listening to and speaking Russian. The course further develops competence in the grammatical structures of the language. Students will further develop their knowledge of the history and culture of Russia as reflected in the language.

RUSS 412 Intermediate Russian 4 Units

Prerequisite: RUSS 411 (Intermediate Russian) with a grade of "C" or better or four years of high school Russian.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course is a continuation of RUSS 411. Students develop increased comprehension of spoken and written Russian through reading, interpreting, and discussing major types of Russian literature (short story, novel, drama, poetry). Students will also develop an increased knowledge of the history and culture of Russia as reflected in the language.

RUSS 499 Experimental Offering in Russian .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
RUSS 499 teaches elementary phrases, idiomatic expressions, and vocabulary. The emphasis in the course is helping students develop a basic conversational ability in the language, with an emphasis on speaking and listening. 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.

Tagalog (TGLG)

TGLG 401 Elementary Tagalog 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
TGLG 401 is an introduction to Tagalog. It is designed for beginning students with limited or no previous exposure to the language. The course teaches Tagalog sounds, pronunciation, pitch and intonations, basic vocabulary, and grammar. The focus is on developing vocabulary set in high occurrence sentence patterns relating to basic survival 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 4 Units

Prerequisite: TGLG 401 with a grade of "C" or better
General Education: CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
TGLG 402 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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental Offering. 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.

Vietnamese (VIET)

VIET 401 Elementary Vietnamese 4 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: VIET 401 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 495 Independent Studies in Vietnamese 1-3 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LAB
See Independent Studies. 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.

VIET 499 Experimental Offering in Vietnamese .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental Offering. 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

Geography GEOG

Degree:
AA-T – Geography for Transfer

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Associate Degree for Transfer
A Degree with a Guarantee.

Geography

Associate in Arts for Transfer

Program Information
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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Career Opportunities
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.

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.

Required Program	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
A minimum of 6 units from the following:	6
GEOG 306 Weather and Climate (3)	
GEOG 320 World Regional Geography (3)	
GEOG 330 Introduction to Geographic Information Systems (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)	
GEOG 393 Field Studies in Geography: Arid Landscapes (1 - 4)	
GEOG 394 Field Studies in Geography: Volcanic Landscapes (1 - 4)	
A minimum of 6 units from the following:	6[1]
ANTH 310 Cultural Anthropology (3) or ANTH 481 Honors 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 310 Introduction to International Relations (3) or POLS 480 Introduction to International Relations – Honors (3)	
Total Units Required	**19**

[1]Students may also substitute courses from the previous list not already counted toward the degree.

Associate in Arts for Transfer 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.

GEOG 300 Physical Geography: Exploring Earth's Environmental Systems — 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better, ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID GEOG 110)

GEOG 301 Physical Geography Laboratory — 1 Unit

Prerequisite: None.
Corequisite: GEOG 300
Advisory: MATH 34 with a grade of "C" or better; ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LAB
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. (C-ID GEOG 111)

GEOG 302 Environmental Studies & Sustainability — 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better; ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.
General Education: AA/AS Area IV; CSU Area D5; IGETC Area 4E
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 — 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better; ENGRD 310 and ENGWR 101 or ESLR 320 and ESLW 310 with grades of "C" or better.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course explores the history and mechanisms of climate change in Earth's past, as well as the methods that scientists use to investigate climate change. Areas of emphasis will include climate change in Earth's recent history (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 today's world and discusses possible technological and political solutions to this vast and increasingly important problem. Field trips may be required. (C-ID GEOL 120)

GEOG 306 Weather and Climate 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better, ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introduction to atmospheric processes including energy and moisture exchanges, atmospheric pressure, winds, and global circulation. Severe weather conditions such as hurricanes and tornadoes are also studied. World, 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. Because this course involves the use of some quantitative concepts, students are encouraged to have fundamental algebraic skills prior to enrolling in this course. (C-ID GEOG 130)

GEOG 308 Introduction to Oceanography 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better; ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an integrated study of water on Earth emphasizing physical oceanography. 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.

GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D5; IGETC Area 4E
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID GEOG 120)

GEOG 320 World Regional Geography 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.
General Education: AA/AS Area V(b); CSU Area D5; IGETC Area 4E
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID GEOG 125)

GEOG 330 Introduction to Geographic Information Systems 3 Units

Prerequisite: None.
Advisory: CISC 300 or equivalent with a grade of "C" or better.
General Education: AA/AS Area II(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course provides an introduction to the concepts, functionality, and applications of Geographic Information Systems (GIS). Emphasis is placed on the techniques utilized to capture, store, query, analyze, and display spatial data. Specific topics include types of GIS data, GIS applications, basic mapping constructs, coordinate systems, data capture techniques, data management, basic GIS analysis, and creating cartographic documents using GIS. These topics will be studied using a combination of theoretical overview and software examination. (C-ID GEOG 155)

GEOG 331 Exploring Maps and Geographic Technologies 3 Units

Prerequisite: None.
Advisory: CISC 300 or equivalent with a grade of "C" or better
General Education: AA/AS Area IV
Course Transferable to UC/CSU
Hours: 50 hours LEC; 12 hours LAB
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, basic statistics, 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. (C-ID GEOG 150)

GEOG 334 Introduction to GIS Software Applications 3 Units

Prerequisite: None.
Advisory: CISC 300 or equivalent with a grade of "C" or better
Course Transferable to CSU
Hours: 45 hours LEC; 27 hours LAB
Geographic Information Systems (GIS) are computer-based mapping programs that analyze spatial data. This course provides the foundation for using desktop GIS software. A conceptual overview along with hands-on experience will be used to explore basic GIS software functionality. Emphasis will be placed on display characteristics, attribute querying, database exploration and management, spatial analysis, data creation, and cartographic presentation.

GEOG 353 Introduction to the Global Positioning System (GPS) 1 Unit

Prerequisite: None.
Advisory: CISC 300 or equivalent with a grade of "C" or better
Course Transferable to CSU
Hours: 16 hours LEC; 6 hours LAB
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 390 Field Studies in Geography 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 24 hours LEC; 144 hours LAB
This course involves the study of geographic principles and processes in selected locations of geographic interest. 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/or 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. (C-ID GEOG 160)

GEOG 391 Field Studies in Geography: Mountain Landscapes 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 244 hours LEC; 144 hours LAB
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. (C-ID GEOG 160)

GEOG 392 Field Studies in Geography: Coastal Landscapes 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 24 hours LEC; 144 hours LAB
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. (C-ID GEOG 160)

GEOG 393 Field Studies in Geography: Arid Landscapes 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 24 hours LEC; 144 hours LAB
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. (C-ID GEOG 160)

GEOG 394 Field Studies in Geography: Volcanic Landscapes 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 24 hours LEC; 144 hours LAB
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. (C-ID GEOG 160)

GEOG 495 Independent Studies in Geography 1-3 Units

Prerequisite: None.
Enrollment Limitation: Student must obtain approval from an instructor to conduct an independent study.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
This is an experimental course designed to provide students with courses not normally offered by the Geography Department. Course topics will be structured around emerging issues related to Geographic inquiry. 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.

Geology GEOL

Degree:
AS-T – Geology for Transfer

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Associate Degree for Transfer
A Degree with a Guarantee.

Geology

Associate in Science for Transfer

Program Information
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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Career Opportunities
The Geology transfer degree is designed to facilitate students' successful transfer to four-year colleges that 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.

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.

Required Program	**Units**
CHEM 400 General Chemistry	5
CHEM 401 General Chemistry	5
GEOL 302 Physical Geology	4
GEOL 310 Historical Geology	3
GEOL 311 Historical Geology Laboratory	1
MATH 400 Calculus I	5
MATH 401 Calculus II	5
Total Units Required	**28**

Associate in Science for Transfer Degree
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.

Geology (GEOL)

GEOL 302 Physical Geology 4 Units

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.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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. (C-ID GEOL 101)

GEOL 305 Earth Science 3 Units

Prerequisite: None.
Corequisite: GEOL 306
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; or placement through the assessment process.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID GEOL 120)

GEOL 306 Earth Science Laboratory 1 Unit

Prerequisite: None.
Corequisite: GEOL 305
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; or placement through the assessment process.
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LAB
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. (C-ID GEOL 120L)

GEOL 308 Introduction to Geology 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of C or better and ENGRD 110 and ENGWR 101, or ESLR 320 and ESLW 320, with grades of "C" or better; or placement through the assessment process.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 300, or ESLR 340 and ESLW 340, and MATH 100, with grades of "C" or better; or placement through the assessment process.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID GEOL 110)

GEOL 311 Historical Geology Laboratory 1 Unit

Prerequisite: None.
Corequisite: GEOL 310
Advisory: ENGRD 310 and ENGWR 300, or ESLR 340 and ESLW 340, and MATH 100, with grades of "C" or better; or placement through the assessment process.
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LAB
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. (C-ID GEOL 110L)

GEOL 345 Geology of California 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 300, or ESLR 340 and ESLW 340, and MATH 100, with grades of "C" or better; or placement through the assessment process.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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). (C-ID GEOL 200)

GEOL 391 Field Studies in Geology 1-3 Units

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.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 108 hours LAB
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Gerontology GERON

Degree:
A.S. – Gerontology

Certificate of Achievement:
Gerontology

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Gerontology

Associate in Science Degree
Certificate of Achievement

Program Information
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 an Sacramento City College counselor is also advised.

Career Opportunities
As our population ages, most 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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051137C01

Upon completion of this program, the student will be able to:
- analyze methods to improve the quality of life for elderly people by connecting individuals to needed resources.
- define the biological and physiological processes of aging.
- explain the psychological aspects of aging.
- explain the sociological aspects of aging.
- evaluate problems involving diverse perspectives and propose solutions.

Required Program	Units
GERON 301 The Biology and Physiology of Aging	3
GERON 302 Psychology of Aging: Adult Development and Aging (3) or PSYC 374 Psychology of Aging: Adult Development and Aging (3)	3
GERON 300 Sociology of Aging (3) or SOC 335 Sociology of Aging (3)	3
NUTRI 300 Nutrition (3) or NUTRI 480 Nutrition Honors (3)	3
PSYC 390 Psychology of Death and Dying	3
A minimum of 3 units from the following: WEXP 498 Work Experience in (Subject) (1 – 4) or GERON 498 Work Experience in Gerontology (1 – 4)	3
Total Units Required	**18**

Suggested Electives
COMM 361, FCS 320 or SOC 310; PHIL 310, PSYC 300; SOC 300, SOC 301, SOC 321

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completion of the required program with grades of "C" or better, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Gerontology (GERON)

GERON 300 Sociology of Aging 3 Units

Same As: SOC 335
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.
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D0; CSU Area E1; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
In this course students will examine the aging process with emphasis on social factors affecting and affected 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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course will be 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 3 Units

Same As: PSYC 374
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
General Education: AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area D9; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 330 Communicating with and Validating Older Adults 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course introduces the basic theory and techniques for communication, validation, and stimulation with the elderly at different cognitive levels.

GERON 334 Reminiscence Therapy 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course introduces the basic theory and techniques of reminiscence therapy and provides experience in planning, facilitating, and evaluating reminiscence groups with the elderly in an institutional setting.

GERON 360 Ethnic Diversity and Aging .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is an overview of ethnicity as a factor in the aging process. Emphasis will be placed on how values, beliefs, and culture must be considered in the design and delivery of service. This course is graded Pass/No Pass.

GERON 364 Medical World of Elderly: Pharmacology .5 Units

Prerequisite: None.
Advisory: ENGWR 101 or ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
In this course, students will examine possible causes and effects of polypharmacy and alcohol abuse on the health and overall quality of life in older adults. This course is graded Pass/No Pass.

GERON 366 Coping with Death and Related Bereavement .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is an exploration of our societal and personal views of death, dying, and bereavement with the focus on ways in which our Western society treats the subject of death, right-to-die issues, and the theoretical stages of death and bereavement. This course is graded Pass/No Pass.

GERON 368 Mental Health and Aging .5 Units

Prerequisite: None.
Advisory: ENGWR 101 or ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is an examination of mental health as it is impacted by the aging process, focusing on correlates of mental health, incidence of mental illness, depression, dementia, substance abuse, intervention, and resources. This course is graded Pass/No Pass only.

GERON 370 Topics in Gerontology: Elder Abuse .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is an overview of elder abuse, focusing on occurrence, prevention strategies, and resources. This course is graded Pass/No Pass only.

GERON 372 Alzheimer's Workshop .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is an overview of current information on all aspects of dementia and caregiving issues, focusing on research, legal issues, grief, resources, medication, behavior management, and activities. This course is graded Pass/No Pass.

GERON 376 Aging and Family Dynamics .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is an overview of how the aging process affects individuals, families, and relationships. The focus is on changing roles and relationship strategies for negotiating these transitions and helping families resolve aging issues. This course is graded Pass/No Pass.

GERON 378 Body Mechanics and Safety .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is an overview of body mechanics emphasizing a problem-solving approach. Focus is on basic methods and techniques of positioning, transfer, and ambulation, as well as personal safety, adaptive exercise, and assistive devices. This course is graded Pass/No Pass.

GERON 380 Nutrition and Aging .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course concentrates on the practical aspects of nutrition and aging. Information will be provided on choosing recipes that provide nutrient-dense meals in a cost-effective manner. In addition, the impact of nutrition on the aging process will be discussed. This course is graded Pass/No Pass.

GERON 382 Stress Management: New Approaches .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course examines stress from a communication perspective. The concept of high-risk messages will be introduced focusing on how stress reactions affect behavior and morale in residential care facilities and other systems. Emphasis is on how a message is translated and how it affects stress, overload, and spill-over effects. Stress management skills will be demonstrated. This course is graded Pass/No Pass only.

GERON 386 Strategies for Caregivers: Effectively Caring for the Elderly in the Community .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course covers effective strategies for providing effective care for the elderly, including how it is complicated by dementia, role reversal, and guilt. This course will explore common sense strategies for caregiving that not only meet the needs of the elderly but also lessen the caregiving burden. This course is graded Pass/No Pass only.

GERON 388 Interpersonal Relationships .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course covers listening, communication skills, understanding emotions, family involvement, and adaptive behavior in long-term care settings. Demonstrations with role play will provide practical experience to enhance understanding. This course is graded Pass/No Pass only.

GERON 389 Treatment of the Geriatric Patient .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course explores the demographic, socioeconomic, and physiologic aspects of aging as they relate to the treatment of the elderly. Other issues will include institutionalized and home care, community resources, and health care systems. This course graded Pass/No Pass.

GERON 396 End-Stage Life Care .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course includes effective strategies for assisting the dying patient and his/her family. Topics include concepts of sub-acute care, physician-assisted suicide, euthanasia, and their effect on the elderly society. This course graded Pass/No Pass only.

GERON 403 Legal Issues for the Elderly .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is designed to examine current legal issues specific to older adults. It includes asset management and a survey of legal tools. This course is graded Pass/No Pass.

GERON 404 Sexuality and Aging .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course examines basic sexual anatomy and physiology of men and women with emphasis on the changes that occur with aging. Sexuality, menopause, impotence, sexually transmitted diseases, and diverse lifestyles within the older population will be explored. This course graded Pass/No Pass.

GERON 494 Topics in Gerontology .5-4 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with a grade "C" or better.
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 is graded Pass/No Pass and 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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 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 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
This course provides "hands-on" experience for students to explore their interests and capabilities in assessing and applying therapeutic interventions when working with the elderly. Students will be under the supervision of the instructor and a designated professional in the assigned facility. This work experience course is designed to provide students with effective job development skills that will assist them in obtaining and keeping an internship or a job in the student's major area. Course content will include understanding the application of education to the workforce; the responsibilities of an internship (where applicable) or a job; completion of Title V Education Code papers (the student's Application, Learning Objectives, Time sheet, and Evaluations), documentation of the student's progress and hours spent at the workplace or internship site; and developing workplace (soft) skills relevant to the 21st century workplace. 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. In addition, the student and the Work Experience instructor may tailor the course to meet the student's specific professional needs by identifying 1-4 workshops, trainings, or conferences that the student may attend as part of the curriculum of the GERON 498 class. Only one Work Experience course may be taken per semester.

GERON 499 Experimental Offering in Gerontology .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Graphic Communication GCOM

Degree:
A.S. – Graphic Communication

Certificates of Achievement:
3D Animation and Modeling
Game Design
Graphic Communication
Graphic Design
Interactive Design
Web Design

Division of Advanced Technology
Donnetta Webb, Dean
Technology 106
916-558-2491

Program Information
The Graphic Communication Department 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, com-position, 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. Graphic Communication has been inspiring creative emergence and developing professional marketability for over three decades.

The program consists of three distinct areas:

– Graphic and Web Design

– Computer Animation and Modeling

– 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.

Graphic and Web Design
These courses focus on design concepts / theory and computer-related skills that are applicable to the print and web design industry. The curriculum is under close advisement from industry contacts to ensure students are equipped with skills and practices that are current. Students build and polish a professional digital or web-based portfolio demonstrating a thorough understanding of design and marketing concepts, communication aesthetics, creative process, and proficiency in computer-based tools. Courses will prepare students for transfer to a four-year college or employment opportunities within the design industry. Employers include publication and book design, graphic design studios, government agencies, in-house design departments, or self-employment.

3D Animation and Modeling
These courses stress the importance of animation and modeling principles while using high-end industry standard software. The curriculum is under close advisement from industry contacts to ensure students are equipped with skills and practices that are current. Opportunities include transfer to a four-year college, transfer to private animation schools, employment in animation studios, 3D visualization and modeling, special effects houses, video game industry, the motion picture industry, and independent animator / filmmaker.

Video Game Design
These courses provide a concentration on the exciting and popular emerging technology of Video Game Design. The curriculum is under close advisement from industry contacts to ensure students are equipped with skills and practices that are current. Students will study the art and science involved in the creation and development of computer games. Students will employee principles of animation, interactive story telling, game theory, character development, and modeling and rigging. Students will be prepared for transfer to a four-year college, internships in the game design industry, or working as an independent designer.

3D Animation and Modeling
Certificate of Achievement

Program Information
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 is also covered.

Career Opportunities
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, product design, and video game industries.

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.

Required Program	**Units**
GCOM 400 Introduction to the Principles of Animation	3
GCOM 401 Introduction to Computer Animation	3
GCOM 402 Beginning 3D Modeling and Rigging	3
GCOM 410 Advanced Computer Animation	3
Total Units Required	**12**

Certificate of Achievement
The Certificate may be obtained by completion of the required program with grades of "C" or better.

Game Design
Certificate of Achievement

Program Information
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.

Career Opportunities
Students who successfully complete this program and continue their education in four year programs will find job opportunities in the video game industry.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051660C01

Upon completion of this program, the student will be able to:
- demonstrate an understanding of the game design process.
- demonstrate an understanding of game structure and elements.
- demonstrate an understanding of 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.

Required Program	Units
GCOM 420 Video Game Design	3
GCOM 424 Video Game Art	3
GCOM 426 Video Game Level Design	3
GCOM 400 Introduction to the Principles of Animation	3
GCOM 401 Introduction to Computer Animation	3
GCOM 402 Beginning 3D Modeling and Rigging	3
GCOM 330 Digital Imaging I	3
Total Units Required	**21**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Graphic Communication

Associate in Science Degree
Certificate of Achievement

Program Information
Graphic Communication 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 Graphic Communication 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. Graphic Communication has been inspiring creative emergence and developing professional marketability for over three decades.

Career Opportunities
Career opportunities may be found in graphic design studios, publications, animation studios, video game design studios, in-house agencies, and self-employment/freelance.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051217C01

Recommended High School Preparation
Recommended High School Preparation: Students should complete courses in one or more of the following: art, design, computer skills, photography, journalism, and creative writing.

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 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 the current and appropriate design industry vocabulary.
- utilize design as tool of engagement in issues of sustainability, social responsibility, economic equality, and cultural understanding.

Required Program	Units
A minimum of 30 units from the following:	30
GCOM 101 Introduction to the Macintosh (1.5)	
GCOM 103 Introduction to Adobe Acrobat (1.5)	
GCOM 105 Photoshop Special Features (1.5)	
GCOM 305 History of Graphic Design (3)	
GCOM 313 Digital Layout I (3)	
GCOM 314 Digital Layout II (3)	
GCOM 319 Print and Multimedia Publication Design I (3)	
GCOM 320 Print and Multimedia Publication Design II (3)	
GCOM 321 Print and Multimedia Publication Design III (3)	
GCOM 330 Digital Imaging I (3)	
GCOM 331 Digital Imaging II (3)	
GCOM 332 Digital Imaging III (3)	
GCOM 340 Digital Illustration for Graphic Design I (3)	
GCOM 341 Digital Illustration for Graphic Design II (3)	
GCOM 343 Graphic Design I (3)	
GCOM 345 Graphic Design II (3)	
GCOM 347 Typography I (3)	
GCOM 349 Portfolio (1.5)	
GCOM 350 Skills and Resources for Graphic Professionals (3)	
GCOM 360 Introduction to Web and Interactive Technologies (3)	
GCOM 361 Beginning Creative Web Design (3)	
GCOM 362 Intermediate Creative Web Design (3)	
GCOM 380 Interactive Design I (3)	
GCOM 383 Interactive Design II (3)	
GCOM 390 Motion Design I (3)	
GCOM 400 Introduction to the Principles of Animation (3)	
GCOM 401 Introduction to Computer Animation (3)	
GCOM 402 Beginning 3D Modeling and Rigging (3)	
GCOM 410 Advanced Computer Animation (3)	
GCOM 420 Video Game Design (3)	
GCOM 424 Video Game Art (3)	
GCOM 426 Video Game Level Design (3)	
GCOM 490 Graphic Communication Studio I (3)	
GCOM 491 Graphic Communication Studio II (3)	
GCOM 492 Media Professional – Production Lab (1 – 4)	
GCOM 493 Graphic Communication Studio III (3)	
GCOM 495 Independent Studies in Graphic Communication (1 – 3)	
GCOM 498 Work Experience in Graphic Communication (1 – 4)	
CISW 405 ActionScript for Flash (3)	
Total Units Required	**30**

Associate in Science Degree
The 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Graphic Design
Certificate of Achievement

Program Information
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.

Career Opportunities
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.

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.

Required Program

GCOM 313 Digital Layout I	3
GCOM 330 Digital Imaging I	3
GCOM 340 Digital Illustration for Graphic Design I	3
GCOM 349 Portfolio	1.5
GCOM 360 Introduction to Web and Interactive Technologies	3
A minimum of 9 units from the following:	9
GCOM 305 History of Graphic Design (3)	
GCOM 314 Digital Layout II (3)	
GCOM 319 Print and Multimedia Publication Design I (3)	
GCOM 320 Print and Multimedia Publication Design II (3)	
GCOM 321 Print and Multimedia Publication Design III (3)	
GCOM 331 Digital Imaging II (3)	
GCOM 332 Digital Imaging III (3)	
GCOM 341 Digital Illustration for Graphic Design II (3)	
GCOM 343 Graphic Design I (3)	
GCOM 345 Graphic Design II (3)	
GCOM 347 Typography I (3)	
GCOM 361 Beginning Creative Web Design (3)	
GCOM 362 Intermediate Creative Web Design (3)	
GCOM 490 Graphic Communication Studio I (3)	
GCOM 491 Graphic Communication Studio II (3)	
GCOM 493 Graphic Communication Studio III (3)	
Total Units Required	**22.5**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Interactive Design
Certificate of Achievement

Program Information
This program offers in-depth design explorations into interactive development techniques. This program emphasizes the application of design principles to the elements of motion and interactivity. Students will learn the principles of interactive design that will enable them to create Web sites with animation, interactive buttons, video, and sound. The program also covers creative processes for Web design, working with a client, and optimal delivery.

Career Opportunities
This program will provide students with the core interactive web design skills that are required to fulfill an entry level position at an interactive design or web design firm.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051661C01

Upon completion of this program, the student will be able to:
- use the creative process to develop an interactive Web site from concept to uploading.
- apply graphic design principles of visual hierarchy, layout, color, typography, and grid to design a fully functional interactive Web site or application.
- apply animation design principles and storyboarding to create a short animation that visually communicates a message.
- analyze a specific audience and cater graphics and interactivity to that audience's needs.
- utilize software tools to develop an interactive Web site with animation, sound, and action scripting.
- apply interactive design principles to a variety of mediums, including Web sites, presentations, and rich internet applications.

Required Program	**Units**
GCOM 330 Digital Imaging I	3
GCOM 340 Digital Illustration for Graphic Design I	3
GCOM 360 Introduction to Web and Interactive Technologies	3
GCOM 380 Interactive Design 1	3
GCOM 383 Interactive Design II	3
GCOM 390 Motion Design I	3
Total Units Required	**18**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Web Design
Certificate of Achievement

Program Information
Web Design involves the visual design of Web graphics and the visual design of a Web site experience. The Web Design Certificate requires learning graphic and visual design principles for Web application, industry standard software, and Web page construction and design and animation and interactivity for Web sites. This certificate will prepare students for an entry-level position working in a Web design-related field.

Career Opportunities
Career Opportunities include employment at Web design studios, graphic design studios, or self-employment.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051438C01

Upon completion of this program, the student will be able to:

- create a visual solution and interface for a multi-paged Web site.
- utilize industry vocabulary for effective communication with clients and other Web professionals.
- evaluate the needs of a client, plan, and execute a site that meets those needs.
- design graphics and navigation that create a Web site experience for a target audience.
- properly prepare graphic and html files for efficient uploading and viewing on the Web.
- apply appropriate type, color, layout design, and imagery to a Web site.
- demonstrate and analyze graphic design principles and how to modify them to satisfy the technical limitations on the Web.

Required Program	**Units**
GCOM 101 Introduction to the Macintosh (1.5)	1 – 1.5
or CISC 320 Operating Systems (1)	
or CISC 323 Linux Operating System (1)	
or CISC 305 Introduction to the Internet (1)	
GCOM 330 Digital Imaging I	3
GCOM 332 Digital Imaging III	3
GCOM 340 Digital Illustration for Graphic Design I	3
GCOM 360 Introduction to Web and Interactive Technologies	3
CISW 320 Introduction to Web Site Development	3
GCOM 361 Beginning Creative Web Design	3
GCOM 362 Intermediate Creative Web Design	3
GCOM 383 Interactive Design II (3)	3
or CISW 405 ActionScript for Flash (3)	
CISW 470 Web Projects	3
Total Units Required	**28 – 28.5**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Graphic Communication (GCOM)

GCOM 101 Introduction to the Macintosh 1.5 Units

Prerequisite: None.
Hours: 18 hours LEC; 27 hours LAB
This course is designed to give students a basic understanding of the Macintosh platform. Instruction will include setting up the Macintosh hardware—from box to operation; adding peripherals; installing the most current system software; general operating techniques, which include system software tips and proper startup and shutdown procedures; and troubleshooting procedures. Also included is an introduction to the iLife series of software that comes with the Mac.

GCOM 103 Introduction to Adobe Acrobat 1.5 Units

Prerequisite: None.
Hours: 18 hours LEC; 27 hours LAB
Students will learn to use Adobe Acrobat to create, modify, and enhance PDF documents in Portable Document Format (PDF). Additionally, students will learn to create a PDF document from either an electronic or paper file. A variety of tools and features allow students to add interactive elements to documents from custom hyperlinks and media clips to form fields and buttons. Students will also learn to use Acrobat to create a searchable electronic library of files.

GCOM 105 Photoshop Special Features 1.5 Units

Prerequisite: GCOM 330 (Digital Imaging 1) with a grade of "C" or better, or equivalent experience.
Hours: 18 hours LEC; 27 hours LAB
Students will learn how to use Adobe Photoshop 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.

GCOM 283 Web Professional Essentials III 1 Unit

Same As: CISW 283
Prerequisite: CISW 282 (Web Professional Essentials II) or GCOM 282 (Web Professional Essentials II) with a grade of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC
This course will teach effective research techniques for educational and career planning to continue working toward higher educational goals. Students will establish mentor relationships with new students in the program and develop group communication and presentation skills. Students may earn credit for CISW 283 or GCOM 283 but not for both.

GCOM 284 Web Professional Essentials IV 1 Unit

Same As: CISW 284
Prerequisite: CISW 283 or GCOM 283 with a grade of "C" or better.
Hours: 18 hours LEC
Students will utilize current technology tools to research industry related issues. They will implement industry standard solutions to those issues. The course provides experience in the production of quality documents and publications for professional presentation to Web industry leaders. Students may earn credit for CISW 284 or GCOM 284 but not for both.

GCOM 295 Independent Studies in Graphic Communication 1-3 Units

Prerequisite: None.
Hours: 36 hours LEC; 54 hours LAB
This course allows students to have a learning experience in the areas of graphic design, Web design, motion, animation, 3D modeling, or 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 current Graphic Communication faculty member.

GCOM 299 Experimental Offering in Graphic Communication .5-4 Units

Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

GCOM 305 History of Graphic Design 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 and propose and create a project inspired by the designers and movements studied.

GCOM 313 Digital Layout I 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 and the design process to create brochures, newsletters, catalogs, and a variety of other digital materials that follow basic layout and design principles.

GCOM 314 Digital Layout II 3 Units

Prerequisite: GCOM 313 with a grade of "C" or better, or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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, advertising design, typography, grid, color theory, composition, multipage publication design, brochure and packaging layout, basic interactive media design, book design, working with clients, and working with professional printing services.

GCOM 319 Print and Multimedia Publication Design 3 Units

Prerequisite: GCOM 313 (Digital Layout 1) with a grade of "C" or better, or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 web sites 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.

GCOM 320 Print and Multimedia Publication Design II 3 Units

Prerequisite: GCOM 319 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 web sites and multimedia 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.

GCOM 321 Print and Multimedia Publication Design III 3 Units

Prerequisite: GCOM 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 web sites 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.

GCOM 330 Digital Imaging I 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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.

GCOM 331 Digital Imaging II 3 Units

Prerequisite: GCOM 330 with a grade of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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.

GCOM 332 Digital Imaging III 3 Units

Prerequisite: GCOM 330 with a grade of "C" or better, or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course centers on advanced digital imaging and image editing techniques for Internet, multimedia, 3D, and video applications, 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, prepare static and animated graphics for use on the Internet and other new 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.

GCOM 340 Digital Illustration for Graphic Design I 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This is an introductory course familiarizing students and engaging them 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. This course may have up to 90 hours scheduled as To Be Arranged (TBA).

GCOM 341 Digital Illustration for Graphic Design II 3 Units

Prerequisite: GCOM 340 with a grade of "C" or better or equivalent
Advisory: ART 300 with a grade of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course builds from the thinking and making skills developed in 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.

GCOM 343 Graphic Design Production 3 Units

Prerequisite: None.
Advisory: GCOM 313 or GCOM 340 with a grade of "C" or better or equivalent
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 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.

GCOM 345 Advanced Graphic Design Production 3 Units

Prerequisite: GCOM 313, 330, and 340 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This is an in-depth graphic design course focusing on explorations in page layout design, image creation, and design research. Students will apply knowledge from GCOM 313, 330, and 340 plus use 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.

GCOM 347 Typography: Principles and Creation 3 Units

Prerequisite: GCOM 313 or 340 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Typography is the most essential ingredient for successful graphic design, including print, web, and all other new media. The first half of this introductory course serves as an essential primer for graphic designers in understanding the history and core principles of typography. The second half focuses on students digitally creating their own fonts and typefaces with an introduction to the professional font creation and editing software Fontlab Studio.

GCOM 349 Portfolio 1.5 Units

Prerequisite: Prior to taking this course, students will need to have completed at least five design or animation projects to use in the creation of their portfolio in this course.
Course Transferable to CSU
Hours: 18 hours LEC; 27 hours LAB
This course is intended for design and animation students who wish to present a portfolio of work in the Graphic Communication-related and creative industries for the purpose of job interviews or admission to a four-year art/design school. Through lecture, demonstration, and hands-on methods, students will gain understanding of the aesthetics, organization, and physical preparation of creating a portfolio of work. Topics include portfolio mediums, digital presentations, resumes, pursuing a job or transfer school, interviewing for a creative position, and getting your design work noticed.

GCOM 350 Skills and Resources for Graphic Professionals 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course prepares students pursuing a career in the graphic related arts with industry skills essential to this occupation. Topics include: job searches, soliciting and performing freelance work, setting up a studio, working in an existing firm, winning work, developing client relationships, self-promotion, sustainability issues, and other resources. Using a combination of lectures with speakers from the industry, this course will offer practical advice and philosophical guidance towards gaining a rewarding career in the graphic arts industries.

GCOM 360 Introduction to Web and Interactive Technologies 3 Units

Prerequisite: GCOM 330 with a grade of "C" or better; or equivalent; or concurrent enrollment in GCOM 330 or CISW 350.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course introduces the fundamentals and principles of contemporary Web design, interactive and motion design, and the current technologies used. The course will provide students with the basics of Web literacy, site and interactive development, information architecture, accessibility, wireframes, prototypes, web coding and scripting, visual design principals, and graphics and motion for the Web. This course is a required prerequisite for GCOM 361, GCOM 380, and GCOM 390.

GCOM 361 Beginning Creative Web Design 3 Units

Prerequisite: GCOM 360 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Students will explore a range of approaches to designing for the World Wide Web, while being introduced to an industry-standard Web authoring tool. Through a series of incremental assignments, students will explore fundamental Web design concepts within a non-static, non-linear environment, culminating in the development of a live and functioning website. Additionally, this course provides an overview of standards-compliant HTML and CSS, techniques for adding interactivity, accessibility, and support in preparing graphics for Web use and for prototyping site designs.

GCOM 362 Intermediate Creative Web Design 3 Units

Prerequisite: GCOM 361 with a grade of "C" or better or the equivalent – or – CISW 320 with a grade of "C" or better or the equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
In this course, students will explore intermediate concepts of contemporary website design. As a result of taking an in-depth look at graphic design principles and their application to website design, students will also discover effective and standards-compliant HTML and CSS applications, as well as techniques for adding interactivity. Additionally, this course will provide an overview of online tools and an introduction to dynamic site design, data-driven languages, and server processes.

GCOM 380 Interactive Design I 3 Units

Same As: CISW 405
Prerequisite: CISW 320, CISW 323, and GCOM 360 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course introduces basic interactive communication and development processes and techniques. Concepts include basic user interface design, development methodologies, scripted events, database interactivity, separation of design and data, object-oriented programming, and various applications of these technologies (interactive, rich interactive applications, kiosk, device user interfaces, mobile application development). Assignments and projects emphasize the application of design principles to the elements of motion and interactivity. Students will learn the principles of interactive design in an effort to create compelling interactive experiences. The course also covers creative processes for interactive design, working with a client, and optimal delivery. Credit may be awarded for GCOM 380 or CISW 405 but not for both.

GCOM 383 Interactive Design II 3 Units

Prerequisite: GCOM 380 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This is an intermediate course in interactive design and is intended to follow GCOM 380. This course offers in-depth design explorations into interactive development techniques. Topics include designer's application of object-oriented programming, separation of design and data to build dynamic applications, integration of video and sound, database interaction, and interface with web services.

GCOM 390 Motion Design 1 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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.

GCOM 400 Introduction to the Principles of Animation 3 Units

Prerequisite: None.
Advisory: ART 300 or ART 304 with a grade of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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. A grade of "C" or better is required in the course in order to take GCOM 401.

GCOM 401 Introduction to Computer Animation 3 Units

Prerequisite: GCOM 400 with a grade of "C" or better or equivalent course.
Advisory: ART 304 with a grade of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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.

GCOM 402 Beginning 3D Modeling and Rigging 3 Units

Prerequisite: None.
Advisory: GCOM 341, GCOM 400, and ART 304 with grades of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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. Topics include: 3D modeling, character rigging, texturing, lighting, and rendering.

GCOM 410 Advanced Computer Animation 3 Units

Prerequisite: GCOM 401 or 402 with a grade of "C" or better
Advisory: GCOM 400, GCOM 341, ART 304, and TA 331 with grades of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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.

GCOM 420 Video Game Design 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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.

GCOM 424 Video Game Art 3 Units

Prerequisite: GCOM 402 with a grade of "C" or better
Advisory: GCOM 360; GCOM 360 with a grade of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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.

GCOM 426 Video Game Level Design 3 Units

Prerequisite: GCOM 424 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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.

GCOM 490 Graphic Communication Studio 3 Units

Prerequisite: GCOM 313 and either GCOM 340 or GCOM 330 with a grade of "C" or better or equivalents – OR – GCOM 360 or GCOM 361 with a grade of "C" or better or equivalent – OR – GCOM 400 or GCOM 402 with a grade of "C" or better or equivalent.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Graphic Communication Studio introduces career-driven design students to producing real-world graphic design, Web design, or animation 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-designer relationship, how to set pricing for projects, and strategies for presenting concepts and design work.

GCOM 491 Graphic Communication Studio II 3 Units

Prerequisite: GCOM 490 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Graphic Communication Studio III introduces intermediate-level skills to career-driven design students. 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-designer relationship, how to set pricing for projects, and strategies for presenting concepts and design work.

GCOM 492 Media Professional – Production Lab 1-4 Units

Same As: JOUR 492 and PHOTO 492
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.
Course Transferable to CSU
Hours: 216 hours LAB
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 student for 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 with video and multimedia content.

GCOM 493 Graphic Communication Studio III 3 Units

Prerequisite: GCOM 491 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
Graphic Communication Studio III introduces advanced-level skills to career-driven design students. 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-designer relationship, how to set pricing for projects, and strategies for presenting concepts and design work.

GCOM 495 Independent Studies in Graphic Communication 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 Graphic Communication offers students a chance to do research and/or experimentation that is more typical of advanced studies in this program.

GCOM 498 Work Experience in Graphic Communication 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 48 hours LEC; 72 hours LAB
This course involves 12 hours lecture and 18 hours of graphic design, Web design, or animation-related work experience for one unit; 12 hours of lecture and 18 hours of graphic design, Web design, or animation-related work experience can be scheduled for each additional unit. Students are responsible for finding placement or may use internship services available on campus.

GCOM 499 Experimental Offering in Graphic Communicationvv .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Health Education HEED

Division of Kinesiology, Health, and Athletics
Mitchell Campbell, Dean/Athletic Director
Hughes Stadium, Section 1B
916-558-2425

Health Education (HEED)

HEED 300 Health Science 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to UC/CSU
Hours: 54 hours LEC
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; violence; sexuality; birth control; pregnancy; childbirth; sexually transmitted diseases, including AIDS; drug, alcohol, and tobacco use and abuse; nutrition and fitness; prevention and fighting communicable disease.

HEED 314 Community First Aid and Safety 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC
This course is the official American Red Cross First Aid/Cardio-Pulmonary Resuscitation/Automated External Defibrillator for Schools and the Community course. Students will learn adult, child, and infant cardiopulmonary resuscitation (CPR). Students will also learn to safely operate an automated external defibrillator (AED) and basic first-aid. Students need to purchase face shields to work on manikins. American Red Cross Community CPR, AED and First Aid certificates will be issued upon completion of this course with a grade of "B" or better and payment of a $5.00 fee. This certification is valid for one year after the course completion date.

HEED 321 CPR: BLS for the Professional Rescuer 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(b)
Course Transferable to CSU
Hours: 9 hours LEC; 27 hours LAB
Cardio-Pulmonary Resuscitation (CPR): Basic Life Support (BLS) for the Professional Rescuer is designed to meet the special needs of the people who are expected to respond in emergency situations. Included are methods for adult, child, and infant CPR as well as performing two-rescuer CPR, operating an automated external defibrillator (AED), and using rescue-breathing devices. Students will learn the skills the skills a professional rescuer needs to act as a crucial link in the emergency medical services (EMS) system. Students will need to purchase a pocket mask rescue-breathing device. Students who earn at least a "B" in the course and pay a $5.00 fee will be eligible to receive an American Red Cross certificate in CPR for the Professional Rescuer. This certification is valid for one year after the course completion date.

HEED 330 Health and Safety in Child Care Settings 1 Unit

Same As: ECE 410
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC
This course covers health and safety issues in child care centers and family day care homes. Topics include pediatric cardiopulmonary resuscitation, pediatric first aid, and preventive health practices such as control of infectious diseases, injury prevention, nutrition, sanitation, and emergency preparedness and evacuation. This course meets requirements of mandated training for child care providers. Student may receive credit for ECE 410 or HEED 330, but not both.

HEED 340 College Success For The Student Athlete 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 495 Independent Studies in Health Education 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
This is an experimental course offering designed to provide students with courses not normally offered by the Health Education Department. Course topics will be structured around new and emerging issues related to the field of Health Education. This course may be taken four times for a maximum of 16 units as long as 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.

History HIST

Degree:
A.A. – History
AA-T – History for Transfer

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

History

Associate in Arts Degree

Program Information
The history major fosters an understanding of ourselves and our world through the study of the past, both remote and recent. The program develops critical thinking and a broad background in issues and ideas from our past. The major thus prepares students for transfer to B.A. programs in history. It also offers students fundamental preparation for careers in business, government, teaching, and a number of professional fields (for example, paralegal or law careers).

Transfer Information
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.

Upon completion of this program, the student will be able to:
- analyze and explain the major historical events and forces in United States history to 1877.
- analyze and explain the major historical events and forces in United States history from 1865 to the present.
- analyze the explain the major historical events and forces in specific world regions and world history through 1500.
- analyze and explain the major historical events and forces in specific world regions and world history since 1500.
- recognize and interpret multiple forms of evidence such as visual materials, oral accounts, statistical records, and artifacts from material culture.
- recognize the distinction between primary and secondary sources and understand how each is used to make historical claims.
- critically analyze and assess historical evidence upon which different explanations and interpretations of historical phenomena are founded.
- critically analyze how historians construct narratives and recognize that interpretations of the past change and are contested.
- plan, organize, and construct, orally and/or in writing, historical narratives.
- identify and explain the sequence of cause and effect of historical phenomena.
- analyze societies in a comparative context and analyze one's own society in the context of other societies.
- understand the historical construction of differences and similarities among groups and regions.
- recognize the influence of global forces and identify their connections to local and regional developments.
- critically assess contacts among and within societies in terms of mutual (though not necessarily symmetrical) interactions, benefits, and costs.
- explain how socially constructed categories (notably race, class, gender, nation, and ethnicity) can be analyzed to explain historical phenomena.
- appreciate the role of geography in history and the constructed nature of geographical categories when thinking about geographical space.
- comprehend that historical analysis is sensitive to context, comparison, interrelations and interactions, and contingency, and demonstrate an awareness that such sensitivity might well require rethinking assumed or traditional historical categories and narratives.
- explain the uses—and the limitations—of historical comparison as an analytic tool.
- explain how the contemporary world has been shaped by its historical development.

Required Program	**Units**
Introduction to Early United States History:	
HIST 310 History of the United States (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 (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 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)	
Total Units Required	**18**

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

History

Associate in Arts for Transfer

Program Information
The history major fosters an understanding of ourselves and our world through the study of the past, both remote and recent. The program develops critical thinking and a broad background in issues and ideas from our past. The major thus prepares students for transfer to B.A. programs in history. It also offers students fundamental preparation for careers in business, government, teaching, and a number of professional fields (for example, paralegal or law careers. The Associate in Arts in History (AA-T in History) is designed to prepare students for transfer into the CSU system to complete a baccalaureate degree in History or similar major.

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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Upon completion of this program, the student will be able to:
- analyze and explain the major historical events and forces in United States history to 1877.
- analyze and explain the major historical events and forces in United States history from 1865 to the present.
- analyze and explain the major historical events and forces in specific world regions and world history through 1500.
- analyze and explain the major historical events and forces in specific world regions and world history since 1500.
- recognize and interpret multiple forms of evidence such as visual materials, oral accounts, statistical records, and artifacts from material culture.
- recognize the distinction between primary and secondary sources and understand how each are used to make historical claims.
- critically analyze and assess historical evidence upon which different explanations and interpretations of historical phenomena are founded.
- critically analyze how historians construct narratives and recognize that interpretations of the past change and are contested.
- plan, organize, and construct, orally and/or in writing, historical narratives.
- identify and explain the sequence of cause and effect of historical phenomena.
- analyze societies in a comparative context and analyze his or her own society in the context of other societies.
- understand the historical construction of differences and similarities among groups and regions.
- recognize the influence of global forces and identify their connections to local and regional developments.
- critically assess contacts among, and within, societies in terms of mutual (though not necessarily symmetrical) interactions, benefits, and costs.
- explain how socially constructed categories (notably race, class, gender, nation, and ethnicity) can be analyzed to explain historical phenomena.
- appreciate the role of geography in history and the constructed nature of geographical categories when thinking about geographical space.
- comprehend that historical analysis is sensitive to context, comparison, interrelations and interactions, and contingency and demonstrate an awareness that such sensitivity might well require rethinking assumed or traditional historical categories and narratives.
- explain the uses—and the limitations—of historical comparison as an analytic tool.
- explain how the contemporary world has been shaped by its historical development.

Required Program **Units**

HIST 310 History of the United States (3) 3
or HIST 483 History of the United States – Honors (3)
HIST 311 History of the United States (3) 3
or HIST 484 History of the United States – Honors (3)
HIST 307 History of World Civilizations to 1500 (3) 3
or HIST 300 History of Western Civilization (3)
HIST 308 History of World Civilizations, 1500 to Present (3) 3
or HIST 302 History of Western Civilization (3)

One course from the following group if not used above:

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 320 History of the United States: African-American Emphasis (3)
HIST 321 History of the United States: African-American Emphasis (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)

One course from the following group if not used above:

A minimum of 3 units from the following: 3
ANTH 310 Cultural Anthropology (3)
ANTH 315 Cultures in Focus (3)
ANTH 317 Cultures of Southeast Asia (3)
ANTH 320 Introduction to Archaeology and 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)
ARTH 300 Introduction to Art (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 330 Survey of African-American Art (3)
ARTH 332 Asian Art (3)
ARTH 334 International Contemporary 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)
ECON 302 Principles of Macroeconomics (3)
ECON 304 Principles of Microeconomics (3)
ENGLT 310 English Literature (3)
ENGLT 311 English Literature (3)
ENGLT 317 The English Bible as Literature (3)
ENGLT 320 American Literature (3)
ENGLT 321 American 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 401 Women in Film and Literature (3)
ENGLT 480 World Literature: Antiquity to the Early Modern World – Honors (3)
ENGLT 481 World Literature: Seventeenth Century to Present – Honors (3)
FASHN 330 History of Western World Fashion (3)
FCS 326 Sex and Gender in the U.S. (3)
GEOG 302 Environmental Studies & Sustainability (3)
GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes (3)
GEOG 320 World Regional Geography (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 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 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)
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)
MUFHL 305 Music Appreciation (3)
MUFHL 309 Introduction to American Popular Music (3)
MUFHL 310 Survey of Music History and Literature (3)
MUFHL 311 Survey of Music History and Literature (3)
MUFHL 315 Jazz History (3)
MUFHL 320 Exploring Music (3)
MUFHL 330 World Music (3)
MUFHL 481 Survey of Music History and Literature (Greek Antiquity to 1750) – Honors (3)
MUFHL 482 Survey of Music History and Literature (1750 to the present) – Honors (3)
PHIL 300 Introduction to 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 353 Religions of the Far East (3)
PHIL 368 Law, Justice, and Punishment (3)
PHIL 480 History of Classical Philosophy – Honors (3)
PHIL 481 History of Modern Philosophy – Honors (3)
POLS 301 Introduction to Government: United States (3)
POLS 302 Introduction to Government: Foreign (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 320 Social Psychology (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)
SOC 300 Introductory Sociology (3)
SOC 301 Social Problems (3)
SOC 321 Race, Ethnicity and Inequality in the United States (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)
SOCSC 300 Introduction to Ethnic Studies (3)
SOCSC 320 Socio-Cultural, Economic and Political Experience of the African-American (3)
SOCSC 325 Asian Experience in America (3)
SOCSC 330 Mexican-Americans in the United States (3)
SOCSC 332 The Sociology and Psychology of Mexicans and Latinos in the United States (3)
SOCSC 335 Introduction to Native-American Studies (3)
SOCSC 336 Native-American Culture and the Impact of Federal Policy (3)
SOCSC 350 Introduction to Women's Studies (3)
SOCSC 352 Global Women's Issues (3)
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)

Total Units Required **18**

Associate in Arts for Transfer Degree
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.

History (HIST)

HIST 300 History of Western Civilization 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area I; CSU Area C2; CSU Area D6; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This is a study of Western Civilization from pre-historic times to the Renaissance. 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 includes the general study of the nature of history, prehistorical culture, the Ancient Near East, Greece, Rome, the Middle Ages, and the Renaissance. (C-ID HIST 170)

HIST 302 History of Western Civilization 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area I; CSU Area C2; CSU Area D6; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID HIST 180)

HIST 307 History of World Civilizations to 1500 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID HIST 150)

HIST 308 History of World Civilizations, 1500 to Present 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID HIST 160)

HIST 309 World History in the Twentieth Century 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D6; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area V(a); AA/AS Area VI; CSU Area C2; CSU Area D6; CSU Area F1; CSU Area F2; IGETC Area 3B; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course covers the development of American Institutions and society through Reconstruction and partially fulfills American Institutions requirements. 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. Credit may be earned for History 310 or History 483, but not both. (C-ID HIST 130)

HIST 311 History of the United States 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; CSU Area F1; CSU Area F3; IGETC Area 3B; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course surveys the development of American Institutions and society from Reconstruction to the present and partially fulfills American Institutions requirements. 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 both courses, credit may be earned for HIST 311, or for HIST 484, but not for both. (C-ID HIST 140)

HIST 314 Recent United States History 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
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
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course covers United States history from 1945 to the present, offering an in-depth study of post-World War II United States history. Emphasis will be placed on domestic policy, foreign policy, and social and political movements. Credit may be earned for History 314 or History 485, but not both.

HIST 320 History of the United States: African-American Emphasis 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area D3; CSU Area D6; CSU Area F1; CSU Area F2; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
This US History course covers the formation of British North American colonies; the formation of the United States as a political institution; the United States Constitution and the founding of American government to the Civil War. 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; pay particular attention to the ways in which black people have influenced the formation and development of this nation; examine the ways in which racial issues have shaped American society, culture, and politics.

HIST 321 History of the United States: African-American Emphasis 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
Advisory: Completion of ENGWR 101 with a grade of "C" or better or ESLR 320 and ESLW 320 with grades of "C" or better.
General Education: AA/AS Area V(a); AA/AS Area V(b) (effective Summer 2012); AA/AS Area VI; CSU Area D3; CSU Area D6; CSU Area F1; CSU Area F3; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course focuses on United States History from 1865 to the Present, including coverage of state and local government emphasizing the role of African Americans. Beginning with a review of the Civil War, History 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.

HIST 344 Survey of California History: A Multicultural Perspective 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D6; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 with the wider world.

HIST 365 Asian Civilization 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement thru the assessment process.
General Education: AA/AS Area V(b); AA/AS Area I; AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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, 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 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course offers a general survey of Latin American History from the 19th century to the present, with focus on social, political, economic, and cultural developments. Issues studied will include Latin America and the Caribbean in the global economy, dictators and democracy, African and indigenous cultures, feminism and gender, cultural politics, social movements and revolution, and relations with the United States and the world.

HIST 380 History of the Middle East 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process
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
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area VI
Course Transferable to CSU
Hours: 54 hours LEC
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 the period from 16th century Ottoman control to the present. The course covers the impacts of Ottoman rule, the pressures of the rise of British and French imperialism, the British Mandate over Palestine, the establishment of the state of Israel, and the effects of the ongoing Palestine-Israel conflict. Palestine's social and cultural (including religious) diversity, as well as its place in the cultural imagination of people and movements outside the region, is an important part of its history. Students should expect to write a minimum of 3,000 words.

HIST 483 History of the United States – Honors 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; CSU Area F1; CSU Area F2; IGETC Area 3B; IGETC Area 4F
Enrollment Limitation: Eligibility for the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course covers the development of American Institutions and society through 1877 and partially fulfills American Institutions requirements. 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. The class is conducted in a seminar format and uses an intensive instructional methodology that is designed to challenge motivated students. Credit may be earned for History 310 or History 483, but not both.

HIST 484 History of the United States – Honors 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; CSU Area F1; CSU Area F3; IGETC Area 3B; IGETC Area 4F
Enrollment Limitation: Eligibility for the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 World War II, and role played by multiple ethnic groups as well. This course is not open to students who have completed HIST 311. (C-ID HIST 140)

HIST 485 Recent United States History – Honors 3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area V(a); AA/AS Area V(b); CSU Area C2; CSU Area D6; IGETC Area 3B; IGETC Area 4F
Enrollment Limitation: Eligibility for the Honors Program
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 494 Topics in History .5-4 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
Course Transferable to UC/CSU
Hours: 72 hours LEC
The content of this class 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 1-3 Units

Prerequisite: ENGWR 101 or ESLW 320 with a grade of "C" or better; or placement through the assessment process.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Human Career Development HCD

Division of Counseling and Student Success
Dr. Kimberly McDaniel, Dean
Rodda North 111
916-558-2289

Human Career Development (HCD)

HCD 83 Diagnostic Learning in English 2 Units
Prerequisite: None.
Hours: 18 hours LEC; 54 hours LAB
This is an intensive individualized 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 perceptual skills needed to improve reading, writing, and spelling.

HCD 84 Advanced Diagnostic Learning in English 2 Units
Prerequisite: HCD 83 with a grade of "C" or better
Hours: 18 hours LEC; 54 hours LAB
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 2 Units
Prerequisite: None.
Hours: 18 hours LEC; 54 hours LAB
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 88 Study Strategies 1 Unit
Prerequisite: None.
Hours: 9 hours LEC; 27 hours LAB
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 credit/no credit basis.

HCD 110 Building Foundations for Success 3 Units
Prerequisite: None.
General Education: AA/AS Area III(b)
Hours: 54 hours LEC
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. An optional field trip(s) may be included.

HCD 114 Human Potential Seminar 2 Units
Prerequisite: None.
Hours: 36 hours LEC
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 .5-1 Units
Prerequisite: None.
Hours: 18 hours LEC; 6 hours LAB
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 138 MESA/CCCP Orientation 1 Unit
Prerequisite: None.
Hours: 18 hours LEC; 6 hours LAB
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 .5-4 Units
Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

HCD 302 The Puente Project 1 Unit
Prerequisite: None.
Enrollment Limitation: Students must meet eligibility requirements for the Puente Program and be admitted to the Puente Program via Instructor consent.
Course Transferable to CSU
Hours: 18 hours LEC
This course is designed to assist under-represented, motivated students by promoting transfer, student success, and community leadership and is open to all students. 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 and activities outside of class may be required.

HCD 310 College Success 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 or ESLR 320 and ESLW 320 with grades of "C" or better.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(b).
Course Transferable to CSU
Hours: 54 hours LEC
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 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC
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 1 Unit

Prerequisite: None.
Advisory: ENGRD 11 and ENGWR 51 or ESLR 310 and ESLW 310 with a grade of "C" or better.
General Education: AA/AS Area III(b).
Course Transferable to CSU
Hours: 18 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 courses, pursuant to an agreement among 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 admissions. See the current catalog under "Independent Studies" for more details.

HCD 499 Experimental Offering in Human Career Development .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Human Services HSER

Division of Learning Resources
J. Frank Malaret, Interim Dean
Learning Resource Center 236
916-558-2253

Human Services (HSER)

HSER 495 Independent Studies in Human Services 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 162 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 72 hours LEC
This course will be an experimental offering on topics not yet covered by current Human Services courses or an offering that addresses topics as they arise. This course can be repeated for credit four times as long as there is no duplication of topics.

HSER 1000 Supervised Tutoring 0 Units

Prerequisite: None
Enrollment Limitation: Student must be enrolled in a college credit course and be referred by an instructor or counselor.
Hours: 50 hours LAB
This course offers individualized tutoring designed to assist students to increase their success in college courses. Content will vary depending upon the adjunct course. Attention will be given to essential study skills and utilization of campus learning resources. Students may enroll for support of more than one college course per semester. This course may be repeated in subsequent semesters.

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

Humanities (HUM)

HUM 300 Classical Humanities 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 used.

HUM 310 Modern Humanities 3 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 332 American Humanities 3 Units

Prerequisite: None.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course analyzes the literature, art, music, philosophy, and history in 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 issues of race, ethnicity, class, and gender as they impact American life and culture.

HUM 352 Religious Themes in Western Art, Literature and Music 3 Units

Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C1; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 495 Independent Studies in Humanities 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Independent Studies in (Subject)

295 Independent Studies in (Subject) 1-3 Units

Not transferable

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.

ACCT 295
AH 295
BUSTEC 295
CISC 295
COSM 295
DAST 295
DHYG 295
ECE 295
ET 295
FCS 295
GCOM 295
MATH 295
MET 295
MGMT 295
OTA 295
PTA 295
RAILR 295
VN 295

495 Independent Studies in (Subject) 1-3 Units

Course Transferable to:
CSU (elective units)
UC (for those marked with an asterisk, 495) 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.*

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.

ACCT 495*
ADMJ 495
AERO 495
AH 495
ANTH 495*
ART 495*
ARTH 495*
ASTR 495*
BIOL 495*
BUS 495
CHEM 495*
CISC 495*
COMDE 495
COMM 495*
ECE 495*
ECON 495*
EDT 495
ENGCW 495*
ENGED 495
ENGLT 495*
ENGR 495*
ENGRD 495
ENGWR 495*
FASHN 495
FCS 495*
GCOM 495*
GEOG 495*
GEOL 495*
GERON 495*
HCD 495*
HEED 495
HIST 495*
HSER 495
HUM 495*
JOUR 495
KINES 495*
LIBR 495
LIBT 495
MATH 495*
MET 495
MGMT 495
MKT 495
MUFHL 495*
MUIVI 495*
MUP 495*
MUSM 495
NURSE 495
PHIL 495*
PHOTO 495
PHYS 495*
POLS 495*
PSYC 495*
RE 495
SILA 495*
SOCSC 495*
SOC 495*
STAT 495*
SURVY 495*
TA 495*
TAFILM 495

Instructional Assisting

Degrees:
A.A. – Instructional Assisting-Bilingual/Bicultural Emphasis
A.A. – Instructional Assisting-General
A.A. – Instructional Assisting-Special Education

Certificates of Achievement:
Instructional Assisting-Bilingual/Bicultural Emphasis
Instructional Assisting-General
Instructional Assisting-Special Education

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Instructional Assisting-Bilingual/Bicultural Emphasis

Associate in Arts Degree
Certificate of Achievement

Program Information
Upon completion of program, students are prepared for work in K-12 and related educational institutions at the paraprofessional level under the supervision of those with professional degrees. Students with the A.A. degree will be compensated at a higher level than those with a certificate due to increased breadth and depth of the program. It is anticipated that future developments in the field of education will contain many openings at the paraprofessional level. Students proposing entry into this program should consult with counselors and Early Childhood Education instructors before pursuing it.

Enrollment Eligibility
To be eligible for enrollment in the program, the student must meet the following criteria:

- current negative TB tests.
- ability to pass the Criminal Record Clearance or receive an exemption proving eligibility to work with children

Career Opportunities
Students will be qualified to apply for an Instructional Aide job in public schools.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051155C01

Upon completion of this program, the student will be able to:
- apply for an instructional aide job in K-12 public school.
- integrate child development fundamentals and basic educational practices into lesson planning when working with children.

Required Program	**Units**
ECE 312 Child Development (3)	3
ECE 314 The Child, the Family and the Community (3) or SOC 312 The Child, the Family and the Community (3)	3
ECE 400 Children with Exceptional Needs	3
ECE 350 Introduction to Elementary Teaching with Field Experience	3
ECE 430 Culture and Diversity in Early Childhood Education	3
A minimum of 12 units from the following: Foreign Language Courses 401, 402, 411, 412	12
Total Units Required	**27**

Suggested Electives
ECE 300, 320, 321, 356, 358, 360, 362, 415, 450, 498; ENGED 320, ENGLT 370, TA 404

Associate of Arts Degree (A.A.)
The Associate in Arts Degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet the 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Instructional Assisting-General

Associate in Arts Degree
Certificate of Achievement

Program Information
Upon completion of program, students are prepared for work in K-12 and related educational institutions at the paraprofessional level under the supervision of those with professional degrees. Students with the A.A. degree will be compensated at a higher level than those with a certificate due to increased breadth and depth of the program. It is anticipated that future developments in the field of education will contain many openings at the paraprofessional level. Students proposing entry into this program should consult with counselors and Early Childhood Education instructors before pursuing it.

Career Opportunities
Students will be qualified to apply for an Instructional Aide job in public schools.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051156C01

Enrollment Eligibility
To be eligible for enrollment in the program, the student must meet the following criteria:

- current negative TB tests.
- ability to pass the Criminal Record Clearance or receive an exemption proving eligibility to work with children

Upon completion of this program, the student will be able to:
- apply for an instructional aide job in K-12 public school.
- integrate child development fundamentals and basic educational practices into lesson planning when working with children.

Required Program	Units
ECE 312 Child Development (3)	3
ECE 314 The Child, the Family and the Community (3)	3
or SOC 312 The Child, the Family and the Community (3)	
ECE 400 Children with Exceptional Needs	3
ECE 350 Introduction to Elementary Teaching with Field Experience	3
ECE 410 Health and Safety in Child Care Settings (1)	1
or HEED 330 Health and Safety in Child Care Settings (1)	
ECE 358 Activities for the School-Age Child	3
ECE 322 Promoting Children's Social Competence	3
ECE 430 Culture and Diversity in Early Childhood Education	3
ENGED 320 Service Learning: Tutoring Elementary Students in Reading	3
A minimum of 3 units from the following:	3
ECE 300 Introduction to Principles and Practices in Early Childhood Education (3)	
ECE 320 Curriculum and Interactions in Early Childhood Education (4)	
ECE 321 Advanced Practicum in Early Childhood Education (4)	
ECE 356 Programs for the School-Age Child (3)	
ECE 360 Art in Early Childhood (3)	
ECE 362 Music for Children (3)	
ECE 415 Children's Health, Safety and Nutrition (3)	
ECE 498 Work Experience in Early Childhood Education (1 – 4)	
TA 404 Techniques of Puppetry (3)	
ENGLT 370 Children and Literature (3)	
GERON 300 Sociology of Aging (3)	
or SOC 335 Sociology of Aging (3)	
Total Units Required	**28**

Suggested Electives
ECE 300, 320, 321, 356, 358, 362, 415, 498; FCS 330, 340; GERON 300, SOC 335, TA 404, ENGED 320, ENGLT 370

Associate in Arts (A.A.) Degree
The Associate in Arts Degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet the 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

Instructional Assisting-Special Education

Associate in Arts Degree
Certificate of Achievement

Program Information
Upon completion of program, students are prepared for work in K-12 and related educational institutions at the paraprofessional level under the supervision of those with professional degrees. Students with the A.A. degree will be compensated at a higher level than those with a certificate due to increased breadth and depth of the program. It is anticipated that future developments in the field of education will contain many openings at the paraprofessional level. Students proposing entry into this program should consult with counselors and Early Childhood Education instructors before pursuing it.

Career Opportunities
Students will be qualified to apply for an Instructional Aide job in public schools.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051157C01

Enrollment Eligibility
To be eligible for enrollment in the program, the student must meet the following criteria:
current negative TB tests.
ability to pass the Criminal Record Clearance or receive an exemption proving eligibility to work with children

Upon completion of this program, the student will be able to:
- apply for an instructional aide job in K-12 public school.
- integrate child development fundamentals and basic educational practices into lesson planning when working with children.

Required Program	Units
ECE 312 Child Development (3)	3
SOC 312 The Child, the Family and the Community (3)	3
or ECE 314 The Child, the Family and the Community (3)	
ECE 320 Curriculum and Interactions in Early Childhood Education	4
ECE 330 Infant Development	3
ECE 400 Children with Exceptional Needs	3
ECE 350 Introduction to Elementary Teaching with Field Experience	3
ECE 410 Health and Safety in Child Care Settings (1)	1
or HEED 330 Health and Safety in Child Care Settings (1)	
ECE 322 Promoting Children's Social Competence (3)	3
ECE 430 Culture and Diversity in Early Childhood Education	3
ENGED 320 Service Learning: Tutoring Elementary Students in Reading	3
Total Units Required	**29**

Suggested Electives
ECE 300, 321, 356, 358, 360, 362, 415, 498; TA 404, ENGLT 370

Associate in Arts (A.A.) Degree
The Associate in Arts Degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet the 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Intercultural Studies

Degree:
A.A. – Intercultural Studies

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Intercultural Studies

Associate in Arts Degree

Program Information
The Intercultural Studies Associate of 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.

Career Opportunities
International business, international marketing, international affairs, import-export trade, teacher, social work, international affairs, public relations, international law, law enforcement, lobbyist.

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.

Required Program	**Units**
ANTH 310 Cultural Anthropology (3)	3
or ANTH 481 Cultural Anthropology Honors (3)	
COMM 325 Intercultural Communication	3
GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes	3
SOCSC 300 Introduction to Ethnic Studies	3
A minimum of 8 units from the following:	8
Two semesters of 401, 402-level or higher Foreign Language courses in any foreign language, including American Sign Language	
A minimum of 6 units from the following:	6[1]
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 Cultural Survey of World Art (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)	
Total Units Required	**29**

[1]This requirement is for content knowledge and understanding of global cultures.

Associate in Arts Degree
The 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.

Interdisciplinary Studies INDIS

Degree
A.A. – Interdisciplinary Studies: Arts and Humanities
A.A. – Interdisciplinary Studies: Math and Science
A.A. – Interdisciplinary Studies: Social and Behavioral Sciences

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Interdisciplinary Studies: Arts and Humanities

Associate in Arts Degree

Program Information
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.

Career Opportunities
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.

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.

Required Program **Units**

A minimum of 18 units from the following (select courses from at least three areas): ..... 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: Silkscreen (3)
ART 364 Printmaking: Relief (3)
ART 366 Printmaking: Lithography (3)
ART 367 Printmaking: 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 (1 – 4)
ARTH 300 Introduction to Art (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 330 Survey of African-American Art (3)
ARTH 332 Asian Art (3)
ARTH 334 International Contemporary Art (3)
ARTH 360 Introduction to Museum Studies (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)
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 303 Introduction to the Short Story (3)
ENGLT 310 English Literature (3)
ENGLT 311 English Literature (3)
ENGLT 317 The English Bible as Literature (3)
ENGLT 320 American Literature (3)
ENGLT 321 American Literature (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)
MUIVI 315 Beginning Voice (1 – 2)
MUIVI 325 Intermediate Voice (2)
MUIVI 330 Advanced Voice (2)
MUIVI 345 Beginning Piano (1 – 2)
MUIVI 346 Beginning Piano (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 (2)
MUIVI 381 Improvisation Workshop (2)
MUIVI 382 Improvisation Workshop (2)
MUIVI 452 World Drumming (1)
MUIVI 454 Indian Classical Fusion Improvisation (1)
MUFHL 305 Music Appreciation (3)
MUFHL 309 Introduction to American Popular Music (3)
MUFHL 310 Survey of Music History and Literature (3)
MUFHL 315 Jazz History (3)
MUFHL 330 World Music (3)
MUP 315 Orchestra (2)
MUP 325 Jazz Band (2)
MUP 335 Concert Band (1)
MUP 355 College Choir (2)
MUP 402 Vocal Ensemble I (2)
MUP 403 Vocal Ensemble II (2)
MUP 404 Vocal Ensemble III (2)
MUP 405 Vocal Ensemble IV (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 333 J.R.R. Tolkien, C.S. Lewis, Charles Williams and Romantic Idealism and the Meaning of Life (3)
PHIL 338 Contemporary Philosophy (3)
PHIL 352 Introduction to World Religions (3)
PHIL 353 Religions of the Far East (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)
SILA 305 American Sign Language 1 (4)
SILA 306 American Sign Language 2 (4)
SILA 315 American Sign Language 3 (4)
SILA 316 American Sign Language 4 (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 Required **18**

[1]Select courses from at least three areas.

Associate in Arts (A.A.) Degree
The Associate in Arts Degree may be obtained by completing the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Interdisciplinary Studies: Math and Science

Associate in Arts Degree

Program Information
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.

Career Opportunities
Students who complete this degree pattern will be well-suited to pursue careers in science, medicine, math, and education.

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.

Required Program

A minimum of 9 units from the following (select courses from at least two sciences): ..... 9[1]
- ANTH 300 Physical Anthropology (3)
- ANTH 301 Physical Anthropology Laboratory (1)
- ANTH 480 Honors Physical 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 326 Ethnobotany (3)
- 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)
- BIOL 444 Water and Wastewater Microbiology (3)
- CHEM 300 Beginning Chemistry (4)
- CHEM 305 Introduction to Chemistry (5)
- CHEM 306 Introduction to 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 (5)
- CHEM 401 General Chemistry (5)
- CHEM 410 Quantitative Analysis (5)
- CHEM 420 Organic Chemistry (5)
- CHEM 421 Organic Chemistry (5)
- CHEM 425 Organic Chemistry with Biological Emphasis (4)
- CHEM 426 Organic Chemistry with Biological Emphasis (4)
- CHEM 484 Advanced General Chemistry – Honors (1)
- ECON 310 Economic Statistics (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)
- GEOL 302 Physical Geology (4)
- 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 370 Pre-Calculus Mathematics (5)
- 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 Required **18**

[1]Select courses from at least two sciences.

Associate in Arts Degree
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.

Interdisciplinary Studies: Social and Behavioral Sciences

Associate in Arts Degree

Program Information
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.

Career Opportunities
Students who complete this degree pattern will be well-suited to pursue careers in business, social work, criminal justice, law, politics, and education.

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.

Required Program

A minimum of 18 units from the following (select courses from at least three areas): ..... 18[1]
- ADMJ 342 Gangs and Corrections (3)
- ANTH 310 Cultural Anthropology (3)
- ANTH 315 Cultures in Focus (3)
- ANTH 317 Cultures of Southeast Asia (3)
- ANTH 320 Introduction to Archaeology and 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)
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)
FCS 320 Marriage and the Family (3)
FCS 324 Human Development: A Life Span (3)
FCS 326 Sex and Gender in the U.S. (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)
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 (3)
HIST 311 History of the United States (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 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 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)
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 Introduction to Government: Foreign (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)
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)
SILA 330 Introduction to Deaf Culture (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 312 The Child, the Family and the Community (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)
SOC 375 Introduction to Community Development (3)
SOC 480 Introductory Sociology – Honors (3)
SOCSC 300 Introduction to Ethnic Studies (3)
SOCSC 320 Socio-Cultural, Economic and Political Experience of the African-American (3)
SOCSC 325 Asian Experience in America (3)
SOCSC 330 Mexican-Americans in the United States (3)
SOCSC 332 The Sociology and Psychology of Mexicans and Latinos in the United States (3)
SOCSC 335 Introduction to Native-American Studies (3)
SOCSC 336 Native-American Culture and the Impact of Federal Policy (3)
SOCSC 350 Introduction to Women's Studies (3)
SOCSC 352 Global Women's Issues (3)

Total Units Required **18**

[1]Select courses from at least three areas.

Associate in Arts Degree
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.

Interdisciplinary Studies (INDIS)

INDIS 240 Service Learning Component 1 Unit

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 a 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 340 Service Learning Component 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(b)
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.
Course Transferable to CSU
Hours: 18 hours LEC
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 1-3 Units

Prerequisite: None.
General Education: AA/AS Area V(b) (effective Spring 2015); AA/AS Area I (effective Spring 2015)
Enrollment Limitation: The student must complete the pre-enrollment process into the Los Rios Community College District Study Abroad program.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b); AA/AS Area I
Enrollment Limitation: The student must complete the pre-enrollment process in the Los Rios Community College District Study Abroad program.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b); AA/AS Area I
Enrollment Limitation: The student must complete the pre-enrollment process into the Los Rios Community College District Study Abroad program.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b); AA/AS Area I
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.
Course Transferable to CSU
Hours: 54 hours LEC
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/.

International Studies

Degree:
A.A. – International Studies

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

International Studies

Associate in Arts Degree

Program Information
The major consists of a core of 30-33 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.

Career Opportunities
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, Lobbyist, Law, Fiscal Analysis, Teaching, Non-Governmental Organizations, Language Specialist, International Advocacy, International Consultancy.

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.

Upon completion of this program, the student will be able to:
- evaluate and examine his/her role, and the role of his/her society, as members of a global network of interdependent societies.
- formulate a cohesive and critical understanding of world issues and events and incorporate that knowledge into his/her daily life and career.
- become familiar with, evaluate, analyze, and critique various social science and humanities perspectives that explain human and environmental history, development, and behavior in a global context.
- investigate and analyze the causes and consequences of economic, political, and cultural globalization through a variety of social science perspectives.
- detect and analyze human difference based on socio-economic, political, cultural, and geographic status, among other categories of difference.
- investigate and analyze the role of power imbalance and social and political contestation historically and contemporaneously, and especially examine and assess the experiences of human and environmental actors who wield relatively less power on the world regional and global stages.
- understand, compare, and analyze local social, political, and economic issues and problems within a global context.
- compose orally and in writing basic levels of communication in a second language.

Required Program	**Units**
ANTH 310 Cultural Anthropology (3) or ANTH 481 Cultural Anthropology Honors (3)	3
COMM 325 Intercultural Communication	3
ECON 302 Principles of Macroeconomics	3
GEOG 320 World Regional Geography (3) or GEOG 480 World Regional Geography Honors (3)	3
HIST 308 History of World Civilizations, 1500 to Present	3
HIST 311 History of the United States (3) or HIST 484 History of the United States Honors (3)	3
POLS 310 Introduction to International Relations (3) or POLS 480 Introduction to International Relations – Honors (3)	3
SOCSC 493 Topics in International Studies	.5-4
A minimum of 8 units from the following: Foreign Language (Two Semesters)	8
Total Units Required	**29.5-33**

Suggested Electives
ARTH 320; ECON 304; ENGLT 480, 481; HCD 310; HIST 307; PHIL 352; SOCSC 352

Associate in Arts (A.A.) Degree
The Associate in Arts Degree may be obtained by completing the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Journalism JOUR

Degree:
A.A. – Journalism
AA-T – Journalism for Transfer

Certificate of Achievement:
Multimedia News Specialist
Visual Journalism

Division of Language and Literature
Albert Garcia, Dean
Rodda South 226
916-558-2325

Journalism

Associate in Arts Degree

Program Information
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.

Career Opportunities
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.

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/or 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.

Required Program for the Degree **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) 6
and JOUR 430 Online Multimedia Production I (3)

A minimum of 3 units from the following: 3
JOUR 411 College Media Production II (3)
JOUR 412 College Media Production III (3)
JOUR 431 Online Multimedia Production II (3)
JOUR 432 Online Multimedia Production III (3)

A minimum of 3 units from the following: 3
GCOM 319 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)
JOUR 364 Multimedia Capture I (3)
or PHOTO 380 Multimedia Capture I (3)
JOUR 365 Multimedia Capture II (3)
or PHOTO 381 Multimedia Capture II (3)
JOUR 403 College Magazine Production I (3)
JOUR 413 College Media Production IV (3)
JOUR 433 Online Multimedia Production IV (3)

Total Units Required **19**

Suggested Electives
ECON 302, 304; ENGWR 300, 302; PHIL 325, PHOTO 302, POLS 301, STAT 300, 480

Associate in Arts (A.A.) Degree
The Associate in Arts Degree may be obtained by completing the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Associate Degree for Transfer
A Degree with a Guarantee.

Journalism

Associate in Arts for Transfer

Program Information
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, AP style, and writing for publication. 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 as 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 General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major of 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.

Career Opportunities
Career opportunities for students who have earned Bachelors' 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.
It is strongly suggested that students meet with a counselor to determine the most appropriate course choices.

Required Program
JOUR 300 Newswriting and Reporting..... 3
JOUR 310 Mass Media and Society (3) 3
or COMM 351Mass 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)
JOUR 364 Multimedia Capture I (3)
or PHOTO 380 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 302 Principles of Macroeconomics (3)
or ECON 304 Principles of Microeconomics (3)
ENGWR 302 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 Introduction to Government: Foreign (3)
STAT 300 Introduction to Probability and Statistics (4)
or STAT 480 Introduction to Probability and Statistics-Honors (4)

Total Units Required 18

Associate in Arts for Transfer Degree
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.

Multimedia News Specialist
Certificate of Achievement

Program Information
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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051651C01

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/or 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, ethnicities, and culture.
- demonstrate understanding of the fundamentals of mass media theories, concepts, and practices as they relate to gender, ethnicities, and cultural constructs.

Required Program **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
JOUR 403 College Magazine Production I (3)
JOUR 340 Writing for Publication (3)
or ENGWR 330 Writing for Publication (3)
JOUR 320 Race and Gender in the Media (3)
GCOM 319 Print and Multimedia Publication Design I (3)
GCOM 313 Digital Layout I (3)
GCOM 330 Digital Imaging I (3)
or PHOTO 400 Digital Imaging (3)
JOUR 498 Work Experience in Journalism (1 – 4)
or WEXP 498 Work Experience in (Subject) (1 – 4)
JOUR 364 Multimedia Capture I (3)
or PHOTO 380 Multimedia Capture I (3)

Total Units Required 22

Certificate of Achievement
A Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

Visual Journalism

Certificate of Achievement

Program Information
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 the Journalism and Photography programs with an emphasis on building a multimedia journalistic portfolio.

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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051662C01

Recommended High School Preparation
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.

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/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, ethnicities, and culture.
- demonstrate understanding of the fundamentals of mass media theories, concepts, and practices as they relate to gender, ethnicities, and cultural constructs.
- demonstrate understanding of journalistic writing style and reporting.

Required Program	**Units**
PHOTO 302 Beginning Digital Photography	3
PHOTO 312 Intermediate Digital Photography	3
PHOTO 280 Portfolio Development I	2 – 4
PHOTO 350 Photojournalism (3)	3
or JOUR 360 Photojournalism (3)	
JOUR 364 Multimedia Capture I (3)	3
or PHOTO 380 Multimedia Capture I (3)	
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 430 Online Multimedia Production I	3
JOUR 431 Online Multimedia Production II	3
Total Units Required	**26-28**

Certificate of Achievement
A Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better or equivalent.

Journalism (JOUR)

JOUR 300 Newswriting and Reporting 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better; or placement through the assessment process.; JOUR 302 with a grade of "C" or better or may be taken concurrently.
Course Transferable to CSU
Hours: 54 hours LEC
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. (C-ID JOUR 110)

JOUR 302 Style for Media Writers 1 Unit

Prerequisite: ENGWR 101 with a grade of "C" or better; or placement through the assessment process.
Course Transferable to CSU
Hours: 18 hours LEC
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 3 Units

Same As: COMM 351 and ENGWR 384
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.
General Education: AA/AS Area V(b); CSU Area D4; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.) (C-ID JOUR 100)

JOUR 320 Race and Gender in the Media 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; CSU Area D4; IGETC Area 4C; IGETC Area 4D
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Same As: ENGWR 330
Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better or placement through the assessment process.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course covers the theory and technique of writing for the broadcast media. It includes reporting for radio and television news, writing and storyboarding 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 3 Units

Same As: PHOTO 350
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.
Advisory: PHOTO 312; with a grade of 'C' or better
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Course Transferable to CSU
Hours: 36 hours LEC;54 hours LAB
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 on line and print campus publications (The Express, Mainline Magazine, etc) to complete assignments for their final portfolio. The course includes lectures, visual presentations, speakers, a required field trip, 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. (C-ID JOUR 160)

JOUR 364 Multimedia Capture I 3 Units

Same As: PHOTO 380
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.
Course Transferable to CSU
Hours: 36 hours LEC;54 hours LAB
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 mediums and the various software used to edit this material. Students will receive practical experience in capturing and editing audio, video and still images with Soundslides, Apple's iMovie, Soundtrack Pro, and Final Cut Pro computer programs. Students will complete a final multimedia project and 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 364 or PHOTO 380, but not for both. (C-ID JOUR 120)

JOUR 365 Multimedia Capture II 3 Units

Same As: PHOTO 381
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.
Course Transferable to CSU
Hours: 36 hours LEC;54 hours LAB
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 Soundslides and Apple's iMovie editing programs, but a primary emphasis will be placed on the use of Apple's Final Cut Pro computer program for completing their final project. 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. This course may be taken once for credit. Credit may be earned for JOUR 365 or PHOTO 381, but not for both.

JOUR 403 College Magazine Production I 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better; JOUR 302 with a grade of "C" or better or concurrent enrollment.
Course Transferable to CSU
Hours: 54 hours LEC
This is a course in which students produce a non-fiction, journalistic college magazine once a semester. This course is designed for students interested in writing, graphics, page layout, art, photography, or editing.

JOUR 407 College Magazine Production II 3 Units

Prerequisite: JOUR 302 and 403 with grades of "C" or better, or placement through the assessment process.
Course Transferable to CSU
Hours: 54 hours LEC
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 once a semester. This course is designed for students interested in managing a non-fiction publication with writing, graphics, page layout, art, photography, and editing.

JOUR 408 College Magazine Production III 3 Units

Prerequisite: JOUR 407 with a grade of "C" or better, or placement through the assessment process.Course Transferable to CSU
Hours: 54 hours LEC
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, which is published once a semester. This course is designed for students interested in managing the staff who produce the publication using the skills of writing, graphics, page layout, art, photography, and editing.

JOUR 410 College Media Production I 3 Units

Prerequisite: ENGWR 101 and JOUR 302 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 420
Advisory: JOUR 300, PHOTO 302, and PHOTO 350
Course Transferable to CSU
Hours: 54 hours LEC
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. (C-ID JOUR 130)

JOUR 411 College Media Production II 3 Units

Prerequisite: ENGWR 101, JOUR 302, and JOUR 410 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 421
Course Transferable to CSU
Hours: 54 hours LEC
This course focuses on experience gained in JOUR 410. During the 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. (C-ID JOUR 131)

JOUR 412 College Media Production III 3 Units

Prerequisite: ENGWR 101, JOUR 302, and JOUR 411 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 422
Course Transferable to CSU
Hours: 54 hours LEC
This course builds on the experience gained in JOUR 411 and JOUR 421. During this third-semester course, students will serve in leadership roles as section editors using the school newspaper, the Express, as a practical laboratory. Students will plan publication issues and manage reporters and photographers on staff. 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 lab component for this course.

JOUR 413 College Media Production IV 3 Units

Prerequisite: ENGWR 101, JOUR 302, and JOUR 412 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 423
Course Transferable to CSU
Hours: 54 hours LEC
This course builds on the experience gained in JOUR 412 and JOUR 422. During this fourth-semester 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 lab component for this course.

JOUR 420 College Media Production Lab I .5-3 Units

Prerequisite: ENGWR 101 and JOUR 302 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 302, 410, and 430
Course Transferable to CSU
Hours: 162 hours LAB
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) and/or on-line multimedia production (JOUR 430).

JOUR 421 College Media Production Lab II .5-3 Units

Prerequisite: ENGWR 101, JOUR 302, JOUR 410, JOUR 420, and JOUR 430 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 302, 411, and 431
Course Transferable to CSU
Hours: 162 hours LAB
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 and/or JOUR 431.

JOUR 422 College Media Production Lab III .5-3 Units

Prerequisite: ENGWR 101, JOUR 302, and JOUR 421 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 412 or 432
Course Transferable to CSU
Hours: 162 hours LAB
This lab course helps students build on experiences gained in JOUR 411 and/or JOUR 431. 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 and/or JOUR 432.

JOUR 430 Online Multimedia Production I 3 Units

Prerequisite: ENGWR 101 and JOUR 302 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 302 and 420
Advisory: JOUR 300, PHOTO 302, PHOTO 350, and PHOTO 380
Course Transferable to CSU
Hours: 54 hours LEC
This course focuses on instruction in beginning skills in on-line writing and visual media in producing the campus on-line newspaper, saccityexpress.com. Students are instructed in how to produce the journalistic product for distribution to a college-wide audience. Students learn skills in one of the following areas: beginning on-line writing and editing; beginning digital photography and digital video production; and beginning audio and pod-casting production. Ethical and legal aspects of communication and journalism are also covered. This course offers opportunity to build a digital portfolio and to gain experience while working on real-world projects. JOUR 420 is the lab component for this course.

JOUR 431 Online Multimedia Production II 3 Units

Prerequisite: ENGWR 101, JOUR 302, and JOUR 430 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 302 and 421
Advisory: JOUR 300, PHOTO 302, PHOTO 350, PHOTO 380, and PHOTO 381
Course Transferable to CSU
Hours: 54 hours LEC
This course builds on experience gained in JOUR 430. During this second-semester course, students will receive instruction in intermediate skills in on-line writing and visual media, as well as on-line management, in producing the campus on-line newspaper, saccityexpress.com. Students are instructed in how to produce the journalistic product for distribution to a college-wide audience. Students learn skills in one of the following areas: intermediate on-line writing, editing, and management; intermediate digital photography and digital video production; and intermediate audio and pod-casting production. Ethical and legal aspects of communication and journalism are also covered. This course offers opportunity to build a digital portfolio and to gain experience while working on real-world projects. JOUR 421 is the lab component for this course.

JOUR 432 Online Multimedia Production III 3 Units

Prerequisite: ENGWR 101, JOUR 302, and JOUR 431 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 422
Course Transferable to CSU
Hours: 54 hours LEC
This third-semester course builds on experience gained in JOUR 431 and JOUR 421. This course offers instruction in leadership for students who function as section editors on the campus online newspaper. Students will plan publication content and manage reporters and photographers on staff. Students will learn to conduct and participate in editorial meetings in which they plan content of the daily online newspaper; research, assign, and edit assignments of reporters, photographers, podcasters, and videographers for online publication; and manage online production of their section using social media platforms in producing the campus on-line newspaper, saccityexpress.com. Ethical and legal aspects of communication and journalism are also covered. This course offers opportunity to build a digital portfolio and to gain experience while working on real-world projects. This course prepares students for transfer work in journalism or entry-level jobs in the new field of media convergence. JOUR 422 is the lab component for this course.

JOUR 433 Online Multimedia Production IV 3 Units

Prerequisite: ENGWR 101, JOUR 302, and JOUR 432 with grades of "C" or better; or placement through the assessment process.
Corequisite: JOUR 423
Course Transferable to CSU
Hours: 54 hours LEC
This course builds on experience gained in JOUR 432. During this fourth-semester course, instruction is provided in leadership for students who function as editors in chief, managing editors, and online managers, using the saccityexpress.com as a practical laboratory. Students will plan the content of the online site and manage online section editors, reporters, photographers, and multimedia providers; research and suggest story content to section editors; and manage production of every aspect of online production. This course offers opportunity to build a digital portfolio and to gain experience while working on real-world projects. JOUR 423 is the lab component for this course.

JOUR 492 Media Professional – Production Lab 1-4 Units

Same As: GCOM 492 and PHOTO 492
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.
Course Transferable to CSU
Hours: 216 hours LAB
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 student in 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 with video and multimedia content. JOUR 492, GCOM 492, and PHOTO 492.

JOUR 495 Independent Studies in Journalism 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This is an independent studies course. The topics are to be arranged between the instructor and the student.

JOUR 498 Work Experience in Journalism 1-4 Units

Prerequisite: None.
Advisory: ENGWR 101 with a "C" or better.
Course Transferable to CSU
Hours: 18 hours LEC;162 hours LAB
This is a supervised internship in reporting, editing, or photographing, for the print or electronic media or for online publications. The course allows students to combine practical paid or non-paid work experience with college training. Students are required to complete 60 hours of volunteer work for one unit or 180 hours for three units; or they must complete 75 hours of paid work for one unit or 225 hours for three units. This course may be taken four times for credit as long as there is new or expanded learning on the job. Students may enroll in the course four times over four different semesters and complete a maximum of 16 internship units.

JOUR 499 Experimental Offering in Journalism .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC;162 hours LAB
See Experimental Offering

Kinesiology ADAPT, FITNS, KINES, PACT, SPORT, TMACT
Formerly Physical Education

Degrees:
A.A. – Kinesiology — Exercise Science
AA-T – Kinesiology for Transfer

Certificate of Achievement:
Athletic Coaching Certification
Fitness Instructor Certification

ADAPT – Adapted Physical Education
DANCE – Dance
FITNS – Fitness
KINES – Kinesiology
PACT – Personal Activity
SPORT – Sports
TMACT – Team Activities

Division of Kinesiology, Health, and Athletics
Mitchell Campbell, Dean/Athletic Director
Hughes Stadium, Section 1B
916-558-2425

Athletic Coaching Certification
Certificate of Achievement

Program Information
This certification for athletic coaching provides students the foundational knowledge necessary in preparing them to move into the professional area of an athletic coach and advance career opportunities.

Career Opportunities
This program of study will prepare students for national and state certification for employment as athletic coaches.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051663C01

Upon completion of this program, the student will be able to:
- analyze the numerous roles and responsibilities of coaching.
- analyze the different styles and philosophies of coaching.
- evaluate and develop a risk management plan for equipment, athletes, supervision, facilities, and additional areas that are specific to the sport.
- demonstrate an understanding of physical fitness, training, injury prevention, and time management related to specific sports.
- identify the effects of physical and emotional stress and develop management strategies.
- evaluate the various psychological skills and techniques that will enhance success.
- prepare necessary strategies that will build self-awareness and self confidence.
- describe the basic principles used in designing training programs for athletes.
- integrate the concepts of periodization in the development of a year round training program.
- evaluate the roles of strength endurance, agility, balance, coordination, speed, power, and flexibility in sport and conditioning performances.
- apply appropriate age specific psychological techniques to enhance communication for athletic performance.
- distinguish special considerations in coaching diverse athletes including age, gender, cultural background, and ability.
- demonstrate knowledge and understanding of the prevention, care, and management of injuries.
- define anatomy and sport injury terminology.
- explain the risks involved with substance abuse.
- evaluate dietary supplements and nutritional guidelines for performance

Required Program	**Units**
KINES 300 Introduction to Physical Education, Kinesiology, Fitness and Sport	3
KINES 451 Principles and Theory of Athletic Coaching	3
KINES 452 Psychology of Sport and Fitness	3
KINES 457 Sport First Aid for Coaches	2
KINES 453 Training and Conditioning of Sports (2)	2
or KINES 454 Coaching the Young Athlete (2)	
A minimum of 6 units from the following:	6
Select courses not used from list above.	
KINES 304 Introduction to Sports Management (3)	
NUTRI 302 Nutrition for Physical Performance (3)	
or KINES 418 Nutrition for Physical Performance (3)	
KINES 453 Training and Conditioning of Sports (2)	
KINES 454 Coaching the Young Athlete (2)	
KINES 495 Independent Studies in Physical Education Theory (1 – 3)	
Total Required Units	**19**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with a minimum grade of "C" or equivalent.

Fitness Instructor Certification
Certificate of Achievement

Program Information
This program will give students the opportunity to take a variety of courses that will prepare them for national exams needed for employment in the health and fitness industry. It also offers courses which can be used for continuing education in the field of fitness.

Career Opportunities
This fitness instructor certification program is designed to provide students professional development opportunities as well as to prepare them to pass the exams necessary to become fitness professionals. It 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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051665C01

Upon completion of this program, the student will be able to:
- demonstrate and apply knowledge of anatomy, physiology, and kinesiology in order to develop and instruct safe and effective exercise programs.
- gain an understanding of the importance of comprehensive health screenings prior to initiating exercise programs for individuals.
- demonstrate effective communication and instructional methodology in various exercise settings, which includes an understanding of motivational techniques that might assist with performance and personal goals.
- comprehend a personal trainer's scope of practice, professional responsibilities, and liability.
- evaluate the training environment for safety to prevent athletic injuries.
- integrate the principles of strength training into an individualized training regime.
- demonstrate an understanding of the fitness needs for special populations.
- evaluate the various psychological skills and techniques that will enhance success.
- demonstrate knowledge of promoting, marketing, and programming fitness and health centers.
- describe and analyze the basic principles of nutrition, which includes discussing the role of nutrients in the body in regard to nutrient intake, energy production and physical performance, and injuries and training.
- investigate development of an infrastructure supporting physical activity and healthy lifestyles.

Required Program

HEED 300 Health Science (3)	3
or KINES 300 Introduction to Kinesiology (3)	
KINES 381 Fitness and Weight Management	2
KINES 410 Personal Trainer Certification: Exercise Science & Fitness Assessment	3
KINES 411 Personal Trainer Certification: Program Design & Instructional Methodology	3.5
KINES 412 Strength and Fitness Certification	3
KINES 418 Nutrition for Physical Performance (3)	3
or NUTRI 302 Nutrition for Physical Performance (3)	
KINES 452 Psychology of Sport and Fitness	3
A minimum of 1 unit from the following:	1
FITNS 306 Aerobics: Cardio-Kickboxing (1)	
FITNS 308 Step Aerobics (1)	
FITNS 390 Basic Yoga (1)	
FITNS 324 Mat Pilates (1)	
FITNS 381 Weight Training (1)	
FITNS 380 Circuit Weight Training (1)	
Total Units Required	**21.5**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with a minimum grade of "C" or equivalent.

Kinesiology-Exercise Science

Associate in Arts Degree

Program Information
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.

Career Opportunities
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.

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.

Required Program

	Units
KINES 300 Introduction to Kinesiology	3
CHEM 305 Introduction to Chemistry (5)	5
or CHEM 400 General Chemistry (5)	
BIOL 430 Anatomy and Physiology	5
BIOL 431 Anatomy and Physiology	5
STAT 300 Introduction to Probability and Statistics (4)	4
or STAT 480 Introduction to Probability and Statistics – Honors (4)	
HEED 300 Health Science	3
PHYS 350 General Physics	4
BIOL 402 Cell and Molecular Biology	5
A minimum of 3 units from the following:	3
FITNS 381 Weight Training (1)	
FITNS 440 Swimming I (1)	
FITNS 324 Mat Pilates (1)	
KINES 381 Fitness and Weight Management (2)	
Any Theory of Sport course under the Kinesiology designator.	
KINES 418 Nutrition for Physical Performance (3)	3
or NUTRI 302 Nutrition for Physical Performance (3)	
or NUTRI 300 Nutrition (3)	
or NUTRI 480 Nutrition Honors (3)	
Total Units Required	**40**

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

Kinesiology

Associate in Arts for Transfer

Program Information
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 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.

(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.

Career Opportunities
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 & rehabilitation, and exercise & movement science. The Associate in Arts Degree in Kinesiology for Transfer can provide a foundation for students interested in working in these careers or careers in related fields.

The Kinesiology degree is designed to facilitate students' successful transfer to the BA programs. BA programs may include, but are not limited to exercise science, health promotion, physical education – pre-physical therapy, physical education – pre-teaching, fitness director, sports psychology, therapeutic exercise and rehabilitation, and exercise and movement science. The Associate in Arts Degree in Kinesiology for Transfer can provide a foundation for students interested in working in these careers or careers in related fields.

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 one's 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 the 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/student success

Required Program **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
- FITNS 310 Aquatic Fitness I (1)
  - or FITNS 312 Aquatic Fitness (1)
  - or FITNS 440 Swimming I (1)
  - or FITNS 441 Swimming II (1)
  - or FITNS 442 Swimming III (1)
  - or FITNS 443 Swimming IV (1)
- FITNS 412 Martial Arts: Taekwondo (1)
- FITNS 306 Aerobics: Cardio-Kickboxing (1)
  - or FITNS 307 Aerobic Mix (1)
  - or FITNS 308 Step Aerobics (1)
  - or FITNS 324 Mat Pilates (1)
  - or FITNS 331 Boot Camp Fitness (1)
  - or FITNS 336 Plyometrics: Advanced Conditioning (1)
  - or FITNS 356 Trim and Tone Conditioning (1)
  - or FITNS 380 Circuit Weight Training (1)
  - or FITNS 381 Weight Training (1)
  - or FITNS 383 Olympic and Power Weight Lifting (1)
  - or FITNS 390 Basic Yoga (1)
  - or FITNS 401 Walking (1)
- PACT 330 Boxing (1)
  - or PACT 340 Fencing (1)
  - or PACT 350 Golf I (1)
  - or PACT 351 Golf II (1)
  - or PACT 410 Wrestling (1)
  - or PACT 390 Tennis I (1)
  - or PACT 391 Tennis II (1)
- TMACT 300 Soccer, Indoor (1)
  - or TMACT 301 Indoor Soccer II (1)
  - or TMACT 302 Soccer – Outdoor (1)
  - or TMACT 303 Outdoor Soccer II (1)
  - or TMACT 304 Outdoor Soccer III (1)
  - or TMACT 320 Basketball (1)
  - or TMACT 321 Basketball II (1)
  - or TMACT 322 Basketball III (1)
  - or TMACT 330 Volleyball (1)
  - or TMACT 331 Volleyball II (1)
  - or TMACT 333 Volleyball III (1)
  - or TMACT 340 Football (1)
  - or TMACT 370 Water Polo (1)

A minimum of 4 units from the following: 4
- BIOL 308 Contemporary Biology (3)
  - and BIOL 309 Contemporary Biology Laboratory (1)
- PHYS 350 General Physics (4)
- STAT 300 Introduction to Probability and Statistics (4)
  - or STAT 480 Introduction to Probability and Statistics – Honors (4)

A minimum of 5 units from the following: 5
- CHEM 309 Integrated General, Organic, and Biological Chemistry (5)
- CHEM 400 General Chemistry (5)
- CHEM 305 Introduction to Chemistry (5)

Total Required Units **25**

The options above are grouped into six movement clusters: Aquatics, Combatives, Dance, Fitness, Individual Sports, and Team Sports. Students majoring in Kinesiology should select one course (or one unit) from three different clusters.

Associate in Arts for Transfer Degree
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.

Kinesiology/Physical Education

NOTE: The University of California has a limitation on the number of units of kinesiology/physical education activity courses that can be transferred (four units maximum). The California State University System has no such limitation, but there are restrictions placed on the number of kinesiology/physical education units that can be applied toward the major. (Refer to the catalog of the transfer institution of your choice for detailed information.)

All activity courses are open to both men and women. Students may be concurrently enrolled in more than one kinesiology/physical education activity course.

ADAPT (Adapted Physical Education), FITNS (Fitness), KINES (Kinesiology), PACT (Personal Activity), SPORT (Intercollegiate), and TMACT (Team Activity) prefixes refer to physical education activity courses meeting the General Education requirement for graduation unless identified otherwise. Several activity areas are separated into distinct levels or families of courses. The beginning courses (lowest course number in the family) concentrate on fundamental skills and topics such as rules, scoring, equipment, dress, etiquette, and basic strategy. The courses that follow in the family continue the progression of skill development while concentrating on topics such as strategy and competitive play. The highest numbered courses in the family emphasize high level skills or sports techniques.

The kinesiology/physical education activity courses are one-unit courses and require three hours of activity each week, unless identified otherwise. Each course, unless specifically identified otherwise, may be taken one time. In addition, a student may take a maximum of four courses within any identified family of courses.

Adapted Physical Education (ADAPT)

ADAPT 320 Arthritis Exercise, Individual Exercise for Individuals with Arthritis 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: A student must have a permanent disability. Student must have a medical release form signed by a physician or appropriate medical professionals. Student must fill out the Intake Procedures Forms from the Disability Resource Center (DRC).
Course Transferable to UC/CSU
Hours: 54 hours LAB
This is a physical education course that is specifically designed for individuals with arthritis. Planned individualized and group activities will promote wellness and fitness. General principles of safe, appropriate stretching and exercise will be discussed and practiced.

ADAPT 322 Back Care 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: A student must have a temporary or permanent disability. Student must have a medical release form signed by a physician or appropriate medical professionals. Student must fill out the Intake Procedures Forms from the Disability Resource Center (DRC).
Course Transferable to CSU
Hours: 54 hours LAB
This is a physical education course designed to help relieve or reduce back pain. Individualized and/or group exercise programs will be designed and utilized for students with back disorders.

ADAPT 324 Heart Healthy 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: A student must have a temporary or permanent disability. A student must have a medical release form signed by a physician or appropriate medical professionals. A student must fill out the Intake Procedures Forms from the Disability Resource Center (DRC).
Course Transferable to UC/CSU
Hours: 54 hours LAB
This physical education course is specifically designed for individuals who are recovering from a cardiac disability. Individualized and/or group activities will be used to increase fitness. General specific exercise principles will be discussed to encourage a continued healthy and active lifestyle.

ADAPT 331 Mobility Training for the Physically Limited 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: A student must have a temporary or permanent disability. A student must have a medical release form signed by a physician or appropriate medical professionals. A student must fill out the Intake Procedures Forms from the Disability Resource Center (DRC).
Course Transferable to UC/CSU
Hours: 54 hours LAB
This is a weight training course for physically limited students who need to increase muscular strength. All exercise programs are designed to meet the student's individual goals. General strengthening, conditioning, and body mechanics are included.

ADAPT 332 Adapted Aquatics 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: A student must have a temporary or permanent disability. A student must have a medical release form signed by a physician or appropriate medical professional. A student must fill out the Intake Procedures Forms from the Disability Resource Center (DRC).
Course Transferable to UC/CSU
Hours: 54 hours LAB
Adapted aquatics is an individualized shallow water fitness class designed for individuals with disabilities. It focuses on cardiovascular endurance, range of motion, mobility, muscular strength, and muscular endurance.

ADAPT 499 Experimental Offering in Adapted Physical Education .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 270 hours LAB
See Experimental Offering. 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.

Fitness (FITNS)

FITNS 306 Aerobics: Cardio-Kickboxing 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 308 Step Aerobics 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
The Step Aerobics class is a physical education course designed to improve an individual's level of fitness, general appearance, and well being. This course will concentrate on cardio-respiratory fitness, flexibility, muscular strength and endurance, resting and training heart rates, injury prevention, and weight management through step aerobics. This will be achieved through a variety of exercises using hand weights to improve upper body strength, abdominal exercises, and various step routines.

FITNS 310 Aquatic Fitness I 1 Unit

Course Family: Aerobic Water Fitness
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 312 Aquatic Fitness 1 Unit

Prerequisite: Student must achieve a passing standard on the swim test of 100 yards of freestyle with proficient breathing to the side, 50 yards of backstroke, and 50 yards of breaststroke.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
Aquatic Fitness is a physical education course that includes a workout approach with emphasis on aerobic and anaerobic fitness. It is a self-paced class and utilizes interval training, cardiovascular conditioning, swimming technique, and aerobic and anaerobic training principles.

FITNS 324 Mat Pilates 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 1 Unit

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.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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/advanced level exercises. Routines will include resistance methods of training with focus on development of stronger core muscles.

FITNS 331 Boot Camp Fitness 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 332 Off Season Conditioning .5-1 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: In order to take the FITNS 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.
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 sport. The course may be taken three times for a maximum of three units of credit.

FITNS 336 Plyometrics: Advanced Conditioning 1 Unit

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.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 356 Trim and Tone Conditioning 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
Trim and Tone Conditioning 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 abdominal and core, hamstrings and quadriceps, buttocks, and the upper body.

FITNS 371 Life Fitness Center Training .5-1 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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. Grades are Pass/No Pass.

FITNS 372 Life Fitness Strength Training .5-1 Units

Prerequisite: FITNS 371 with a Pass grade.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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.

FITNS 373 Life Fitness Center Functional Fitness Training .5-1 Units

Prerequisite: FITNS 371 (Life Fitness Center Training) and 372 (Life Fitness Strength Training) with Pass grades.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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.

FITNS 380 Circuit Weight Training 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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.

FITNS 383 Olympic and Power Weight Lifting 1 Unit

Prerequisite: FITNS 381 with a grade of "C" or better
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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.

FITNS 390 Basic Yoga 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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.

FITNS 401 Walking 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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.

FITNS 402 Running for Fitness .5-1 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
Running for Fitness 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 412 Martial Arts: Taekwondo 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 436 Lifeguard Training 2 Units
Prerequisite: FITNS 440 – Advanced Swimming with a grade of "C" or better or equivalent.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 28 hours LEC; 24 hours LAB
This course covers the knowledge and skills needed to prevent and respond to aquatic emergencies. The course content and activities prepare participants to recognize and respond quickly and effectively to emergencies and prevent drownings and injuries. Upon successful completion of the Lifeguard Training course requirements and exams, students will earn American Red Cross certificates. The American Red Cross certificates are only valid for one year for the CPR portion, and three (3) years for the Lifeguard Training and First Aid portion of the American Red Cross certifications.

FITNS 440 Swimming I 1 Unit
Course Family: Swimming
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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.

FITNS 441 Swimming II 1 Unit
Course Family: Swimming
Prerequisite: Students must demonstrate comfort and confidence in the water and in their ability to demonstrate proper floating, gliding, and basic freestyle and backstroke technique.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to CSU
Hours: 54 hours LAB
The purpose of this course is to teach beginning swimmers with limited skills. Topics include mastery of basic water adjustment skills, floats, glides, and freestyle and backstroke techniques. It is appropriate for those who are uncomfortable in deep water or those who need to refine their ability to swim 25 meters without stopping.

FITNS 442 Swimming III 1 Unit
Course Family: Swimming
Prerequisite: Students must achieve a passing standard on the swim test of 50 yards of freestyle with proficient breathing to the side and 50 yards of backstroke.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to CSU
Hours: 54 hours LAB
The purpose of this course is to teach intermediate swimmers, who have mastered basic water acclimation, water safety, and basic swimming skills, swim training protocols and design, further refinement of stroke technique, proper diving technique, and development of cardiovascular capacity. Students will learn and refine the stroke techniques of freestyle, backstroke, and breaststroke. Students will learn flip turns for freestyle and backstroke. Students will be introduced to swim training and workout design.

FITNS 443 Swimming IV 1 Unit
Course Family: Swimming
Prerequisite: Students must achieve a passing standard on the swim test of 100 yards of freestyle, backstroke, and breaststroke demonstrating proficient stroke, breathing, and turn technique.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to CSU
Hours: 54 hours LAB
The purpose of this course is 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.

FITNS 444 Swimming V 1 Unit
Course Family: Swimming
Prerequisite: Student must achieve a passing standard on the swim test of 100 yards of freestyle with proficient breathing to the side, 50 yards of backstroke, and 50 yards of breaststroke.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
This course is a physical education 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. This course was formerly known as FITNS 312.

FITNS 499 Experimental Offering in Fitness.5-4 Units
Prerequisite: None
Course Transferable to UC/CSU
Hours: 216 hours LAB
This is an experimental course offering designed to provide students with courses not normally offered by the Physical Education Department. Course topics will be structured around new and emerging physical activities related to the field of Physical Education. This course may be taken four times for a maximum of 16 units. 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.

Kinesiology (KINES)

KINES 300 Introduction to Kinesiology 3 Units
Prerequisite: None.
Advisory: ENGWR 101 or ESLW 310 with a grade of "C" or better.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. This course was formerly known as PET 300.

KINES 304 Introduction to Sports Management 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 310 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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. This course was formerly known as PET 304.

KINES 342 Theory of Baseball 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC
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. This course was formerly known as PET 342.

KINES 346 Theory of Basketball 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC
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. This course was formerly known as PET 346.

KINES 352 Theory of Football 2 Units

Prerequisite: None.
General Education: AA/AS Area III(a)
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course will overview current offensive and defensive fundamental drills by position at both the community college and four year level. These concepts will be divided into the various components of skill levels by specific positions., i.e. Offensive: Running Backs, Quarterbacks, Wide-Outs, Tight Ends, and Interior Line; Defense: Secondary, Outside Linebackers, Inside Linebackers, Defense Line, and Kicking Specialist (punter, place kicker, and kick off). This course was formerly known as PET 352.

KINES 354 Theory of Soccer 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC
This course will give students the opportunity to gain the knowledge of coaching soccer. In addition, students will gain an understanding of how to teach techniques and various tactics, including team offense and defense and learn match analysis in connection with game preparation. This course will also include injury prevention, season planning, team management, systems of play, refereeing, and an understanding of applied psychology. This course was formerly known as PET 354.

KINES 364 Theory of Swimming 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LAB
The Theory of Swimming course covers all aspects of competitive swimming, including the scientific principles of stroke biomechanics, physiology, psychology of training, workout design, and meet management. The course will include a review of current regulations of the National Collegiate Athletic Association and the Commission of Athletics. This course was formerly known as PET 364.

KINES 365 Theory of Water Polo 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC
This course is designed for the advanced analysis of water polo. Focus will be placed on analysis and instruction of fundamental individual and team concepts. Specific areas of emphasis will include, but not be limited to, individual skills such as passing, shooting, goalie work, and team concepts of offensive and defensive strategies. This course will include a review of current rules and regulations of the National Collegiate Athletic Association (NCAA) and Commission on Athletics (COA). This course was formerly known as PET 365.

KINES 374 Theory of Volleyball 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course is designed to develop a thorough understanding of the many aspects of Volleyball including training/conditioning programs, individual techniques, offense strategy/systems, defense strategy/systems, rules, drill development, practice plans, and team management. Emphasis will also be placed upon the importance of individual proficiency and team strategy/play. This course was formerly known as PET 374.

KINES 376 Theory of Wrestling 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC
This course provides the foundation for advanced analysis of wrestling. Focus is placed on analysis and instruction of individual wrestling skills and team concepts. Specific areas of emphasis will include, but not be limited to, fund raising, practice organization, individual fundamentals, and drills to develop those fundamentals. Also included will be analysis of various coaching techniques, theories, and philosophies. This course was formerly known as PET 376.

KINES 381 Fitness and Weight Management 2 Units

Prerequisite: None.
Advisory: ESLR 320 and ESLW 320 with grades of "C" or better.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course is designed for students who wish to assess and improve physical fitness levels and encourage a healthy attitude toward body image and weight control. Students receive instruction concerning the theories and practical activities involved in obtaining and maintaining an appropriate level of physical fitness. This course was formerly known as FITNS 350.

KINES 382 Wellness 1 Unit
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 3 Units
Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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: exercise physiology, human anatomy, applied kinesiology, basic nutrition, health screening, the theory of fitness assessment, and exercise adaptation. This course was formerly known as PET 410.

KINES 411 Personal Trainer Certification: Program Design & Instructional Methodology 3.5 Units
Prerequisite: KINES 410 or PET 410 with a grade of "C" or better. HEED 314 with a grade of "C" or better or equivalent.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to CSU
Hours: 54 hours LEC; 27 hours LAB
This course is designed to provide the student with the theoretical knowledge and practical skills needed to prepare for the American Council on Exercise's National Personal Training Certification Examination. Topics include: application of the applied sciences, program design, and implementation of integrated fitness training for healthy adults and special populations, communication, health psychology, teaching techniques, injury prevention and safety, professional responsibilities, and business fundamentals. This course was formerly known as PET 411.

KINES 412 Strength and Fitness Certification 3 Units
Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This course will provide students with the necessary preparation for the National Council of Strength and Fitness (NCSF) personal training certification. 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. This course was formerly known as PET 412.

KINES 418 Nutrition for Physical Performance 3 Units
Same As: NUTRI 302
Prerequisite: None.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. This course was formerly known as PET 418.

KINES 451 Principles and Theory of Athletic Coaching 3 Units
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. This course was formerly known as PET 451.

KINES 452 Psychology of Sport and Fitness 3 Units
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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. This course was formerly known as PET 452.

KINES 453 Training and Conditioning of Sports 2 Units
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
Course Transferable to UC/CSU
Hours: 36 hours LEC
This course will introduce students to the concepts of training and conditioning of sports. Topics will include foundational principles of training, stages of athletic development, motor skills training, and designing programs specific to the needs of the sport. This course was formally known as PET 453.

KINES 454 Coaching the Young Athlete 2 Units
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better. KINES 451 with a grade of "C" or better or one year minimum coaching experience at high school level.
Course Transferable to CSU
Hours: 36 hours LEC
In this course, students will be introduced to the challenges of age and gender specific considerations in training of young athletes. Topics will include training guidelines for young athletes, stages of athletic development, long-term training plans, specific strategies of motivation related to age groups, and providing an environment that promotes learning and fun. This course was formally known as PET 454.

KINES 457 Sport First Aid for Coaches 2 Units
Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC
This course will provide new and experienced coaches with the action steps for the care and prevention of athletic injuries and illnesses. Topics will include performing physical assessments; strategies for reducing athletes' risk of injury or illness; developing a medical emergency plan; returning athletes to play; and educating athletes and coaches on the effects and dangers of performance enhancers. This course was formally known as PET 457.

KINES 495 Independent Studies in Physical Education Theory 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 1-4 Units

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.
Course Transferable to CSU
Hours: 18 hours LEC; 162 hours LAB
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 Physical Education Theory .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Personal Activity (PACT)

PACT 330 Boxing 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
This course will cover the basic fundamentals and techniques of boxing. Methodology, strategy, and self-defense applications will also be included.

PACT 340 Fencing 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
This is a physical education course that will cover the basic fundamentals and techniques of foil fencing. Rules and strategy will also be included.

PACT 350 Golf I 1 Unit

Course Family: Golf
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 to play the game and on course management strategies in order to negotiate a golf course. 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 1 Unit

Course Family: Golf
Prerequisite: PACT 350 with a grade of "C" or better; or equivalent.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 1 Unit

Course Family: Tennis
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 1 Unit

Course Family: Tennis
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 strategical 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 410 Wrestling 1 Unit

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 499 Experimental Offering in Personal Activity .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 270 hours LAB
This is an experimental course offering designed to provide students with courses not normally offered by the Physical Education Department. Course topics will be structured around new and emerging physical activities related to the field of Physical Education. This course may be taken four times for a maximum of 16 units. 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.

Sports (SPORT)

SPORT 90 Academic Study Skills for Student Athletes .5-1 Units

Prerequisite: None.
Enrollment Limitation: Must be a student-athlete registered in an intercollegiate sport at Sacramento City College.
Hours: 9 hours LEC; 54 hours LAB
This lab course is 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 and apply time and stress management techniques, note taking techniques, and test taking techniques. Grades are Pass/No Pass.

SPORT 91 Academic Study Skills for Student Athletes .5-1 Units

Prerequisite: None.
Enrollment Limitation: Must be a student-athlete registered in an intercollegiate sport at Sacramento City College.
Hours: 9 hours LEC; 54 hours LAB
This lab course is designed to assist the at-risk student athlete in acquiring basic study skills and work habits to gain success in the classroom. Memory and visualization techniques, "muscle" reading, and learning styles will be included. Grades are Pass/No Pass.

SPORT 92 Academic Study Skills for Student Athletes .5-1 Units

Prerequisite: None.
Enrollment Limitation: Must be a student-athlete registered in an intercollegiate sport at Sacramento City College.
Hours: 9 hours LEC; 54 hours LAB
This lab course is 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). Grades are Pass/No Pass.

SPORT 93 Academic Study Skills for Student Athletes .5-1 Units

Prerequisite: None.
Enrollment Limitation: Must be a student-athlete registered in an intercollegiate sport at Sacramento City College.
Hours: 9 hours LEC; 54 hours LAB
This lecture/lab course is 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. Grades are Pass/No Pass.

SPORT 300 Baseball, Intercollegiate-Men 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment the student must demonstrate intercollegiate athletic skills as determined by a try-out conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
This is an advanced baseball team activity that provides competition with other community college teams. Fundamentals, rules, and individual and /or team strategies appropriate to intercollegiate athletics competition will be expected of the competitors. This course may be taken four times for credit.

SPORT 301 Off Season Conditioning for Baseball .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 .5-3 Units

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.
Course Transferable to CSU
Hours: 162 hours LAB
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 1.5 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a try-out conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 88 hours LAB
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 1.5 Units

Prerequisite: SPORT 311 with a grade of "C" or better
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a try-out conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 87 hours LAB
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 three times for credit.

SPORT 313 Off Season Conditioning for Basketball .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must show proof of physical and medical clearance and demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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.

SPORT 315 Basketball, Intercollegiate-Women 2 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a try-out conducted by coaching staff.
Course Transferable to UC/CSU
Hours: 180 hours LAB
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 may be taken four times for credit.

SPORT 316 Basketball, Intercollegiate-Women, Fall 1.5 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a try-out conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 88 hours LAB
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.

SPORT 317 Basketball, Intercollegiate-Women, Spring 1.5 Units

Prerequisite: SPORT 316 with a grade of "C" or better
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a try-out conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 87 hours LAB
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.

SPORT 320 Cross Country, Intercollegiate-Men 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 330 Football, Intercollegiate-Men 3 Units
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
This is an advanced football team activity, which provides competition with other community college teams. 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 .5-3 Units
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 345 Golf, Intercollegiate-Women 3 Units
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 1-3 Units
Prerequisite: None.
General Education: CSU Area E2
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 3 Units
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
The purpose of this class is to provide the student with an advanced level of knowledge and skills for competition with other community college teams. Principles, advanced techniques, psychological components, and defense/offense strategies of soccer will be taught throughout the class for intercollegiate competition. This course may be taken four times for credit.

SPORT 356 Off Season Conditioning for Women's Soccer 1-3 Units
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 162 hours LAB
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.

SPORT 357 Pre-Season Conditioning for Women's Soccer .5-3 Units
Prerequisite: 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.
General Education: AA/AS Area III(a)
Course Transferable to CSU
Hours: 162 hours LAB
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 3 Units
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 1-3 Units
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 162 hours LAB
This physical education course involves sport specific training and conditioning skills and techniques. There is a concentration of basic concepts with emphasis on conditioning. Students will have the opportunity to obtain knowledge and practical experience in a specific intercollegiate sport.

SPORT 370 Swimming and Diving, Intercollegiate-Men 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Try out. This course is designed for athletes on the swim team.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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. It may be taken up to four times for credit.

SPORT 377 Pre-Season Conditioning Swim & Dive .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
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.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. It may be taken up to four times for credit.

SPORT 380 Tennis, Intercollegiate-Men 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
The intercollegiate track and field course provides specialized advanced programs to provide specialized 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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must show proof of physical and medical clearance and demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 for a maximum of 3 units to meet California Community College Athletic Association requirements for eligibility.

SPORT 405 Volleyball, Intercollegiate-Women 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must be physically cleared through the Athletic Training Room with appropriate physical paperwork. The student must also be eligibility cleared through the Athletic Department with appropriate paperwork. The prospective athlete will demonstrate intercollegiate athletic skills determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 .5-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Try out.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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. This course may be taken up to four times for credit.

SPORT 420 Wrestling, Intercollegiate-Men 3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 175 hours LAB
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 1-3 Units

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Enrollment Limitation: Prior to enrollment the student must show proof of physical and medical clearance as required by the Los Rios Community College District based on CCCAA regulations. This class is for individuals who have a background in wrestling, and they must demonstrate intercollegiate wrestling skills as determined by a tryout conducted by the coaching staff.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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.

Team Activities (TMACT)

TMACT 300 Soccer, Indoor 1 Unit

Course Family: Soccer
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 1 Unit

Course Family: Soccer
Prerequisite: None.
Advisory: TMACT 300 with a grade of "C" or better
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to CSU
Hours: 54 hours LAB
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 1 Unit

Course Family: Soccer
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
The course introduces fundamental techniques and skills, which include inside passing, dribbling, trapping, kicking, and shooting. The intermediate course is designed to further develop individual skills for organized soccer. Advanced passing, dribbling with feinting, first touch, small-sided games, individual and group attacking, crossing, heading, and FIFA rules will be taught. Students will participate in advanced team tactics and strategies such as zonal defending, group and team attacking, variety team formations, restart plays, and communication with teammates in the advanced class.

TMACT 303 Outdoor Soccer II 1 Unit

Course Family: Soccer
Prerequisite: None.
Advisory: TMACT 302 with a grade of "C" or better
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to CSU
Hours: 54 hours LAB
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, as well as defensive and offensive patterns of play to play soccer in an intermediate environment.

TMACT 304 Outdoor Soccer III 1 Unit

Course Family: Soccer
Prerequisite: None.
Advisory: TMACT 303 with a grade of "C" or better
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to CSU
Hours: 54 hours LAB
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 1 Unit

Course Family: Basketball
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 **1 Unit**

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.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 **1 Unit**

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.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 **1 Unit**

Course Family: Volleyball
Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 **1 Unit**

Course Family: Volleyball
Prerequisite: TMACT 330 (Volleyball I) or equivalent skills demonstrated through an assessment process with the instructor.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 **1 Unit**

Course Family: Volleyball
Prerequisite: TMACT 331 (Volleyball II) or equivalent skills demonstrated through an assessment process with the instructor.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 **1 Unit**

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 **1 Unit**

Prerequisite: None.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 370 Water Polo **1 Unit**

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.
General Education: AA/AS Area III(a); CSU Area E2
Course Transferable to UC/CSU
Hours: 54 hours LAB
Water Polo will cover the basic fundamentals, skills, and techniques of the game. Rules and strategies will also be included in the course.

TMACT 499 Experimental Offering in Team Activity **.5-4 Units**

Prerequisite: None
Course Transferable to UC/CSU
Hours: 18 hours LEC; 216 hours LAB
This is an experimental course offering designed to provide students with courses not normally offered by the Kinesiology, Health, and Athletics Department. Course topics will be structured around new and emerging physical activities related to the field of Physical Education. This course may be taken four times for a maximum of 16 units. 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.

Division of Learning Resources
J. Frank Malaret, Interim Dean
Learning Resource Center 236
916-558-2253

Learning, Tutoring and Academic Technology (LTAT)

LTAT 92 Prerequisite Skills Assistance .5-2 Units

Prerequisite: None.
Hours: 108 hours LAB
This course (formerly HSER 92) 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 .5-1 Units

Prerequisite: None.
Hours: 54 hours LAB
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 .5 to 1 unit. This course is graded Pass/No Pass.

LTAT 94 Prerequisite Skills – Grammar and Mechanics Review .5-1 Units

Prerequisite: None.
Hours: 54 hours LAB
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 .5 to 1 unit. This course is graded Pass/No Pass.

LTAT 95 Prerequisite Skills – Reading Skills Review .5-1 Units

Prerequisite: None.
Hours: 54 hours LAB
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 .5 to 1 unit. This course is graded Pass/No Pass.

LTAT 96 Prerequisite Skills – Pre-Algebra Skills Review .5-1 Units

Prerequisite: None.
Hours: 54 hours LAB
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 .5 to 1 unit. This course is graded Pass/No Pass.

LTAT 300 Academic Skills 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
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 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
The course is designed to train students to become peer tutors. It introduces students to the role of a peer tutor and methods of effective tutoring. Through learning modules, discussion, practice, assessments, and reflection, students develop skill in employing a range of tutoring methods and strategies.

LTAT 311 Introduction to Group Peer Tutoring 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
This course is designed to familiarize the student with the role of the tutor and methods of effective group tutoring. This course emphasizes collaborative, interactive approaches to learning in a group setting. The course is offered in coordination with the Beacon Peer-Assisted Learning Program.

LTAT 312 Introduction to Tutoring Individual Peer Writing 1 Unit

Prerequisite: ENGWR 300 with a grade of "B" or better or ESLW 340 with a grade of "B" or better
Course Transferable to CSU
Hours: 18 hours LEC
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 330 Desire2Learn Familiarization .5 Unit

Prerequisite: None.
Advisory: CISC 300; with a grade of "C" or better.
Course Transferable to CSU
Hours: 9 hours LEC
This course is designed to familiarize students with the Desire2Learn online learning environment. Students will learn to effectively navigate and utilize the Los Rios Desire2Learn system for online coursework. Topics may include hardware and software requirements; using a word processor or other software to review and submit class assignments; effective online communication skills and strategies; use of online assessment tools; critical thinking in the online environment; ethical online behavior; and emerging learning technologies.

LTAT 495 Independent Studies in Learning, Tutoring and Academic Technology 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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.

Division of Learning Resources
J. Frank Malaret, Interim Dean
Learning Resource Center 236
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The Sacramento City College Library credit courses are designed to equip students with vital research skills, enabling their success in college classes and on the job. Students will gain "research survival skills" to cope with the information rich environment in which they live and work. In particular, these classes teach students how to find and evaluate information from print, the Internet, and other online resources.

SCC Librarians offer non-credit sessions demonstrating the use of library resources and the Internet. The library web site (http://www.scc.losrios.edu/~library) links to a wide variety of sources provided for SCC students and staff to satisfy a range of research and information needs. Librarians are also available to guide students through the research process whenever the library is open. Please drop by the reference desk on the second floor of the Learning Resource Center for assistance or more information.

Library (LIBR)

LIBR 305 Legal Information Resources .5 Unit

Prerequisite: None.
Advisory: ENGWR 101 (College Writing) and ENGRD 310 (Prose Analysis and Interpretation); or ESLW 320 (Advanced-Low Writing) and ESLR 320 (Intermediate High Reading) with grades of "C" or better; or placement through the assessment process. Basic familiarity with computers is recommended for this course.
Course Transferable to CSU
Hours: 9 hours LEC
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 306 Genealogy Research .5 Unit

Prerequisite: None.
Advisory: ENGWR 101 (College Writing) and ENGRD 310 (Prose Analysis and Interpretation); or ESLW 320 (Advanced-Low Writing) and ESLR 320 (Intermediate High Reading) with grades of "C" or better; or placement through the assessment process. Basic familiarity with computers is recommended for this course.
Course Transferable to CSU
Hours: 9 hours LEC
This course will introduce the basics of the genealogical research process including various strategies for obtaining and sharing information about your family background. Students will explore many of the print and online resources available for genealogical research and will be trained to analyze and evaluate genealogical resources. The course is designed for people who are interested in learning genealogy, but who have no previous training or experience with genealogical research.

LIBR 307 Medical Information Resources .5 Unit

Prerequisite: None.
Advisory: ENGWR 101 (College Writing) and ENGRD 310 (Prose Analysis and Interpretation); or ESLW 320 (Advanced-Low Writing) and ESLR 320 (Intermediate High Reading) with grades of "C" or better; or placement through the assessment process. Basic familiarity with computers is recommended for this course.
Course Transferable to CSU
Hours: 9 hours LEC
This hands-on 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 309 Consumer Business Reference .5 Unit

Prerequisite: None.
Advisory: ENGWR 101 (College Writing) and ENGRD 310 (Prose Analysis and Interpretation); or ESLW 320 (Advanced-Low Writing) and ESLR 320 (Intermediate High Reading) with grades of "C" or better; or placement through the assessment process. Basic familiarity with computers is recommended for this course.
Course Transferable to CSU
Hours: 9 hours LEC
This course explores basic resources that today's business consumers can utilize to fulfill their business information needs. Topics include sources for investment decisions, small business and franchise information, career resources, and consumer research. The course uses a hands-on problem solving approach that emphasizes Internet and other electronic sources.

LIBR 318 Library Research and Information Literacy 1 Unit

Prerequisite: None.
Advisory: ENGWR 101 (College Writing) and ENGRD 310 (Prose Analysis and Interpretation); or ESLW 320 (Advanced-Low Writing) and ESLR 320 (Advanced-Low Reading) with grades of "C" or better; or placement through the assessment process. Basic familiarity with computers is recommended for this course.
General Education: AA/AS Area III(b)
Course Transferable to UC/CSU
Hours: 18 hours LEC
This course provides the information competency skills necessary to conduct academic or personal research. It offers a step-by-step guide to the research process that is applicable to term papers, course work, and life long learning.

LIBR 325 Internet Research Skills 3 Units

Same As: LIBT 325
Prerequisite: None.
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
General Education: AA/AS Area III(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. Communication services such as email, groups, and blogs are also studied as are emerging services and technologies as appropriate. 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 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offering

Library and Information Technology LIBT

Degree:
A.S. – Library and Information Technology

Certificate of Achievement:
Library and Information Technology

Division of Learning Resources
J. Frank Malaret, Interim Dean
Learning Resource Center 236
916-558-2253

Library and Information Technology

Associate in Science Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
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, business, and special libraries as well as in media centers.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051168C01

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.

Required Program **Units**

LIBT 100 Introduction to Library and Information Technology..... 0.5
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 Reference Services..... 3
LIBT 345 Library Operations and Management..... 2
LIBT 110 Job Search Skills for Library Careers..... 1
CISA 310 Introduction to Electronic Spreadsheets 1

A minimum of 2 units from the following: 2
LIBT 498 Work Experience in Library and Information Technology (1 – 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 (1 – 4)

Total Units Required **22.5**

Suggested Electives
LIBR 305, 306, 307, 309, 311, 318; LIBT 340, 341, 499; BUSTEC 300, CISA 305, CISC 310; ENGLT 370

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completion of all courses in the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with a minimum grade of "C" plus approval of the Library and Information Technology Department.

Library and Information Technology (LIBT)

LIBT 100 Introduction to Library and Information Technology .5 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310; or ESLW 320 and ESLR 320 with grades of "C" or better; or placement through the assessment process. Basic familiarity with computers is recommended for this course.
Hours: 9 hours LEC
This course is designed to introduce students to the Library and Information Technology Program at Sacramento City College and to familiarize them with the skills that they will need to succeed in the program and the library profession as a whole. Topics will include an overview of the library profession, effective communication, and basic computer skills that students will use in the classes in the program. Students will also learn to use the online learning system, library catalog, and databases. Students should plan on taking this course before LIBT 300.

LIBT 110 Job Search Skills for Library Careers 1 Unit

Prerequisite: None.
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Hours: 18 hours LEC
This course will prepare students for a successful job search in a library field. Utilizing traditional and electronic methods; students will research job opportunities in the library profession; identify key workplace skills; learn best practices for writing applications; resumes; and cover letters; learn relevant career networking skills; and practice interviewing techniques. A field trip to a local library branch or alternative assignments may be required.

LIBT 300 Introduction to Library Services 2 Units

Prerequisite: LIBT 100 with a grade of "C" or better OR current enrollment in LIBT 100.
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Course Transferable to CSU
Hours: 36 hours LEC
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; 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 3 Units

Same As: LIBR 325
Prerequisite: None.
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
General Education: AA/AS Area III(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. Communication services such as email, groups, and blogs are also studied as are emerging services and technologies as appropriate. 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. </CourseDescription>

LIBT 330 Library Technical Processes 3 Units

Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300.
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: LIBT 100, 300, and 330 with grades of "C" or better
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Course Transferable to CSU
Hours: 54 hours LEC
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 1 Unit

Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Course Transferable to CSU
Hours: 18 hours LEC
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 The School Library Media Center 3 Units

Prerequisite: None.
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Course Transferable to CSU
Hours: 54 hours LEC
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, 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 3 Units

Prerequisite: None.
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Course Transferable to CSU
Hours: 54 hours LEC
This course will be an exploration of the literature 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, 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 will be required.

LIBT 343 Library Reference Services 3 Units

Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Course Transferable to CSU
Hours: 54 hours LEC
This course acquaints students with library reference services, including the different aspects of interacting with library patrons in a public environment. Students will learn to select and successfully utilize the appropriate print and electronic reference source to assist library patrons with questions and finding information. These print and electronic sources include general and specialized encyclopedias, yearbooks, dictionaries, handbooks, and other subject specific tools. Field trips to local libraries or alternative assignments will be required.

LIBT 345 Library Operations and Management 2 Units

Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300.
Advisory: ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High 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.
Course Transferable to CSU
Hours: 36 hours LEC
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 relations, budgeting, operational manuals and reports, problem behavior, disaster preparedness, and the principles of supervision. Two field trips to local libraries or alternative assignments may be required.

LIBT 494 Topics in Library and Information Technology .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 72 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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 1-4 Units

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.
Advisory: CISA 305 (Beginning Word Processing), CISA 315 (Introduction to Electronic Spreadsheets), and CISC 300 (Computer Familiarization) with grades of "C" or better. ENGRD 310 (Prose Analysis and Interpretation) and ENGWR 101 (College Writing); or ESLR 320 (Intermediate High Reading) and ESLW 320 (Advanced-Low Writing) with grades of "C" or better; or placement through the assessment process.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
This is structured, on-the-job training experience in Sacramento area libraries and school library media centers under the supervision of professional librarians and library media specialists. The student, in collaboration with the work experience supervisors, will prepare learning objectives that are approved by the instructor. Each student will be required to keep a job journal. Credit hours may be earned for three or four units. One unit of credit will be granted for each 60 hours of unpaid work per unit or 75 hours of paid work. This course may be taken up to three times for credit. A minimum of three units is required for the certificate and/or degree. A student may use 1 unit of WEXP 498 to fulfill the Library and Information Technology program requirements. The other 2 units must be LIBT 498. Only one Work Experience course may be taken per semester. For the Library and Information Technology degree or certificate, each student is required to work in a minimum of two libraries. If the student is already working in a library at a paraprofessional level, the current job may be counted as one of the libraries. This course should be taken after completing most of the other coursework for the Library and Information Technology certificate or degree.

LIBT 499 Experimental Offering in Library and Information Technology .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC
See Experimental Offering

Mathematics MATH

Degree:
A.S. – Mathematics
AS-T – Mathematics for Transfer

Division of Mathematics/Statistics & Engineering
Anne E. Licciardi, Dean
South Gym 220
916-558-2202

Mathematics

Associate in Science Degree

Program Information
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 the current UC Transferable Course Agreement.

Career Opportunities
Mathematicians work as statisticians, analysts, computer programmers, actuaries, researchers, planners and educators. This major is designed to meet some of the lower-division requirements for a major in Mathematics.

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.

Required Program	**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 370 Beginning Visual Basic (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 Required	**25**

Associate in Science (A.S.) Degree
The Associate in Science degree may be obtained by completion of all courses in the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Associate Degree for Transfer
A Degree with a Guarantee.

Mathematics

Associate in Science for Transfer

Program Information
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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Career Opportunities
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.

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.

Required Program	**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**

Associate in Science for Transfer Degree
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.

Mathematics (MATH)

MATH 27 Self-Paced Basic Skills Mathematics .5-2 Units
Prerequisite: None.
Hours: 24 hours LEC; 108 hours LAB
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 3 Units
Prerequisite: None.
Hours: 54 hours LEC; 18 hours LAB
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 4 Units
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.
Hours: 72 hours LEC
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 1 Unit
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
Hours: 18 hours LEC
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 5 Units
Prerequisite: MATH 34 with a grade of "C" or better, or placement through the assessment process.
Hours: 90 hours LEC
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.

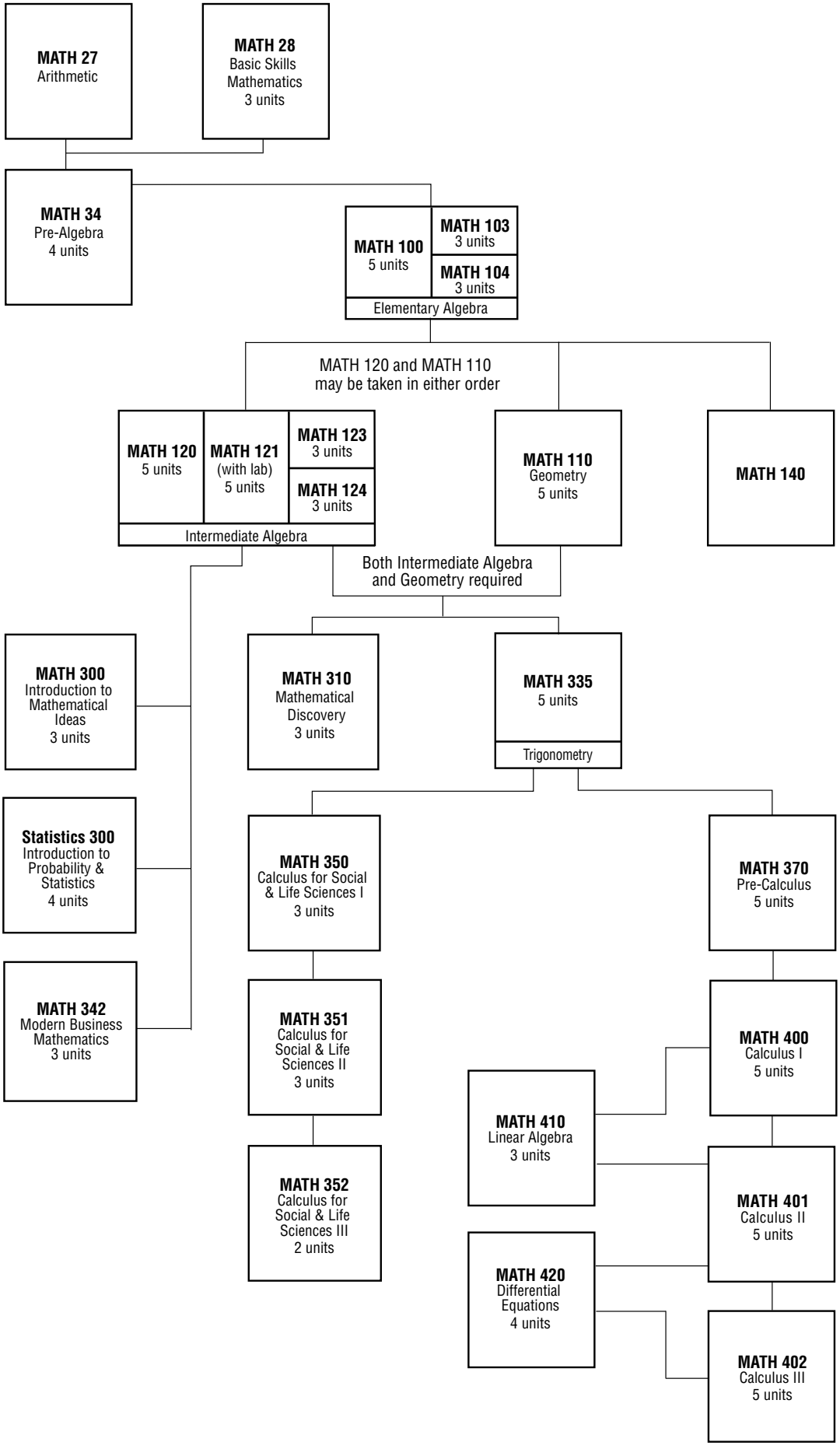
MATH 103 Elementary Algebra, Part I 3 Units
Prerequisite: MATH 34 with a grade of "C" or better, or placement through the assessment process.
Hours: 54 hours LEC
This course will cover the first half of the traditional MATH 100 course. Topics include: properties of real numbers, linear equations and 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 3 Units
Prerequisite: MATH 103 with a grade of "C" or better
Hours: 54 hours LEC
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 110 Elementary Geometry 5 Units
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)
Hours: 90 hours LEC
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 5 Units
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)
Hours: 90 hours LEC
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 Sequence



MATH 121 Intermediate Algebra with Lab 5 Units

Prerequisite: MATH 100 or 104 with a grade of "C" or better; or placement through the assessment process.
Hours: 90 hours LEC; 18 hours LAB
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 3 Units

Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.
Hours: 54 hours LEC
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 3 Units

Prerequisite: MATH 123 with a grade of "C" or better
General Education: AA/AS Area II(b)
Hours: 54 hours LEC
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 140 Mathematics Competency 4 Units

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)
Hours: 72 hours LEC
This course introduces students to everyday uses of mathematics. Mathematical literacy is necessary to fully participate in the democratic decision-making process. Topics will include measurement systems, reasoning and logic, elections, inflation and other indexes, chance and risk, and finances and may include other topics, such as environmental or health issues.

MATH 170 Algebra Review for Calculus 2 Units

Prerequisite: None.
Hours: 36 hours LEC
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 1-3 Units

Prerequisite: None.
Hours: 54 hours LEC
This is an independent studies course. The topics are to be arranged between the instructor and the student.

MATH 299 Experimental Offering in Mathematics .5-10 Units

Prerequisite: None
Hours: 90 hours LEC; 18 hours LAB
See Experimental Offering.

MATH 300 Introduction to Mathematical Ideas 3 Units

Prerequisite: MATH 120, 121, or 124 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: MATH 120, MATH 121, or MATH 124 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.
General Education: AA/AS Area II(b); CSU Area B4
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 315 Exploratory Field Experience in Mathematics 3 Units

Prerequisite: MATH 120 with a grade of "C" or better
Enrollment Limitation: Current TB clearance is required prior to work in schools. Fingerprinting may also be required.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course is an education-based field experience in mathematics allowing students to explore teaching as a career choice. Students are assigned to area schools to observe and/or assist in mathematics classrooms. Students have the opportunity to learn and practice essential skills to assist middle or high school students with their progress through the mathematics sequence and to learn about social, cultural, and educational issues related to mathematics and the school environment. Weekly seminars allow students to share experiences and compare observations. This course is recommended for those who may wish to pursue a single-subject credential in mathematics.

MATH 335 Trigonometry with College Algebra 5 Units

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.
General Education: AA/AS Area II(b); CSU Area B4
Course Transferable to CSU
Hours: 90 hours LEC
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 3 Units

MATH 120, 121, or 124 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b)
Hours: 54 hours LEC
The content of this course includes review of the logarithmic and exponential functions, intuitive introduction to limits, development of the derivative, definite integral and partial derivatives. Application of these concepts to economics and business will be emphasized.

MATH 342 Modern Business Mathematics 3 Units

Prerequisite: MATH 120, 121, or 124 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b); CSU Area B4
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: MATH 335 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: MATH 350 with a grade of "C" or better
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 Biology and Medicine 2 Units

Prerequisite: MATH 351 with a grade of "C" or better or concurrent enrollment in MATH 351
General Education: AA/AS Area II(b); CSU Area B4
Course Transferable to UC/CSU
Hours: 36 hours LEC
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 370 Pre-Calculus Mathematics 5 Units

Prerequisite: MATH 335 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 90 hours LEC
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 400 Calculus I 5 Units

Prerequisite: MATH 370 with a grade of "C" or better, or placement through the assessment process
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 90 hours LEC
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 5 Units

Prerequisite: MATH 400 with a grade of "C" or better
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 90 hours LEC
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 5 Units

Prerequisite: MATH 401 with a grade of "C" or better
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 90 hours LEC
This course extends the concepts of limits, derivatives, and integrals to vector-valued functions and functions of more than one variable. The topics covered will 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 will be included.

MATH 410 Introduction to Linear Algebra 3 Units

Prerequisite: MATH 401 with a grade of "C" or better
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID MATH 250)

MATH 420 Differential Equations 4 Units

Prerequisite: MATH 401 with a grade of "C" or better
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 72 hours LEC
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. (C-ID MATH 240)

MATH 494 Topics in Mathematics .5-4 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Mechanical-Electrical Technology MET

Degree:
A.S. – Mechanical-Electrical Technology

Certificates of Achievement:
Commercial Building Energy Auditing and Commissioning Specialist
Mechanical-Electrical Technology
Mechanical Systems Technician

Division of Advanced Technology
Donnetta Webb, Dean
Technology 106
916-558-2491

Commercial Building Energy Auditing and Commissioning Specialist

Certificate of Achievement

Program Information
The Commercial Building Energy Auditing and Commissioning Specialist Certificate of Achievement is designed to meet the high industry demand for the unique skills necessary in managing energy and the commissioning of new and existing facilities. 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 new 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.
To obtain the Commercial Building Energy Auditing and Commissioning Specialist Certificate of Achievement at Sacramento City College, a student must complete all of the courses in the Commercial Building Energy Auditing and Commissioning Specialist required program with grades of "C" or better.

Career Opportunities
Upon completion of the Commercial Building Energy Auditing and Commissioning Specialist 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, 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, wholesale and manufacturer's sales representative.

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.
- measure and optimize the energy efficiency of an HVAC mechanical system, thermal storage system, and a Direct Digital Control (DDC) system.
- evaluate and improve air conditioning problem-solving skills.
- solve air conditioning system problems with the use of industry specific computer applications.
- design commercial air conditioning systems.
- estimate commercial air conditioning systems.

Required Program	Units
MET 391 Mechanical Systems Commissioning	3
MET 392 Energy Management and Efficiency for HVAC Mechanical Systems	3
MET 393 Commercial Building Energy Audits and Calculations	3
MET 396 Air and Water Balance of Mechanical Equipment	3
Total Units Required	**12**

Certificate of Achievement
A Certificate of Achievement may be obtained by completion of the MET Required Program with grades of "C" or better.

Suggested Semester Sequence
First Semester
MET 391 Mechanical Systems Commissioning 3
MET 392 Energy Management and Efficiency for HVAC Mechanical Systems 3
Second Semester
MET 393 Commercial Building Energy Audits and Calculations..... 3
MET 396 Air and Water Balance of Mechanical Equipment 3

Mechanical-Electrical Technology

Associate in Science Degree
Certificate of Achievement

Program Information
The Mechanical-Electrical Technology (MET) program provides instruction in design, installing, operating, and maintenance of a wide range of mechanical and electrical equipment. The entire spectrum of mechanical and electrical systems is covered. These systems include heating, ventilating, air conditioning, and refrigerating (HVAC/R); solar photovoltaic and solar hot water; and water and wastewater systems. Areas of instruction include: energy management, mechanical system commissioning, indoor air quality, building automation systems, heating, cooling, heat pumps, refrigeration, refrigerant recovery and management, electrical controls, pneumatic controls, electronic controls, instrumentation, solar photovoltaic, solar hot water and wind energy, and the operation of water and wastewater treatment plants.

Students learn the skills and concepts necessary to install, operate, maintain, repair, and manage various mechanical and electrical systems from small residential equipment to large commercial and industrial facilities. Effective writing, verbal communication, electronic communication, sketching, drafting, mechanical calculations, and computer skills are emphasized across the curriculum.

The program includes both day and evening lecture and laboratory sections and is designed to give students a solid foundation in general installation, operation, maintenance, repair, and equipment management skills included in HVAC/R, renewable and sustainable energy, and water and wastewater industries. Students will not only learn the theory and fundamentals of mechanical equipment, but also be exposed to hands-on training in sophisticated training laboratories. Laboratory equipment 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, solar photovoltaic and solar hot water systems, packaged and split system air conditioners, furnaces, and high and low temperature refrigeration systems. Students will also configure, program, and commission several Direct Digital Control (DDC) Systems, pneumatic systems, and programmable logic controllers (PLC) on state-of-the-art computer stations, and work directly on the operating systems in the laboratory facility.

Career Certificates are awarded to students who satisfactorily complete the various programs. Students completing the programs may also qualify for an Associate of Science degree. Currently career certificates are offered in Mechanical-Electrical Technology, Water Treatment Plant Operation, Wastewater Treatment Plant Operation, and Mechanical Systems Technician. Preparation for the Federal Refrigerant Transition and Recovery Certification license examination is also offered.

Career Opportunities
Upon completion of the MET program, 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: stationary engineer, air conditioning and refrigeration technician, maintenance mechanic, boiler operator, water or wastewater treatment plant operator, automatic control technician, solar, photovoltaic, wind (renewable and sustainable) energy technician, wholesale and manufacturer's sales representative.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051179C01

Recommended High School Preparation
Completion of college preparatory English and general mathematics courses are highly desirable, but not required. Courses in drafting, algebra, and computer fundamentals will be beneficial.

Classes are studied in both lecture and laboratory. Mathematics, science, drafting, and technical writing, which are all related to the programs, are also studied.

Associate in Science Degree
The Mechanical-Electrical Technology Associate in Science Degree focuses on the skills and concepts necessary to install, operate, maintain, repair, and manage various mechanical and electrical systems from small residential equipment to large commercial and industrial facilities. The entire spectrum of mechanical and electrical systems will be covered including energy management, mechanical system commissioning, indoor air quality, building automation systems, refrigerant recovery and management, electrical controls, pneumatic controls, electronic controls, instrumentation, heat pumps, solar photovoltaic, solar hot water, and wind energy systems, and water and wastewater treatment systems. Effective writing, verbal communication, electronic communication, sketching, drafting, mathematical calculations and computer skills will be stressed throughout the program.

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.

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 industry required 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 a hot water and high 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.
- demonstrate an understanding 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 different types, application 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 Automatic Control systems, Direct Digital Control systems, and Pneumatic Control systems.
- demonstrate the skills and knowledge necessary to be successful in Automatic Controls industries.
- 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 psychometrics of air.
- evaluate and determine the need for periodic equipment maintenance, design a mechanical system maintenance program, and demonstrate an understanding of a maintenance contract.
- explain the concepts of potable water and wastewater treatment systems and processes.
- demonstrate an understanding of water resources and their preservation, treatment system components, related operation, and safety practices.
- install, operate, maintain, and troubleshoot various types of renewable and sustainable energy systems.

Required Program	Units
MET 255 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 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
MET 368 Heat Pump Operation and Maintenance	3
Total Units Required	**47**

Suggested Elective
PHYS 310

Associate in Science (A.S.) Degree
The Associate in Science Degree may be earned by completion of the required program with grades of "C" or better, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Suggested Semester Sequence

First Semester

MET 255 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

Second Semester

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

Third Semester

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

Fourth Semester

MET 381 Air Conditioning	3
MET 383 Instrumentation	3
MET 384 Automatic Control Systems II	3

Mechanical Systems Technician

Certificate of Achievement

Program Information
The Mechanical Systems Technician Certificate of Achievement is designed to help the student learn the information and entry-level skills necessary to begin working in the Air Conditioning, Heating, Refrigeration, Water and Wastewater Treatment, and related industries. Safety, environmental impact issues, indoor air quality, and equipment maintenance will be emphasized throughout the program.

To obtain the Mechanical Systems Technician Certificate of Achievement at Sacramento City College, a student must complete all of the courses in the Mechanical Systems Technician required program with grades of "C" or better.

Career Opportunities
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, facilities management, engineering, high technology, food production, and manufacturing. Typical jobs titles include: stationary engineer, air conditioning and refrigeration technician, maintenance mechanic, water and wastewater treatment plant operator, automatic control technician, and wholesale and manufacturer's sales representative.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051388C02

Upon completion of this program, the student will be able to:
- evaluate and determine the need for periodic equipment maintenance, design a machinery system maintenance program, 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 the importance of proper handling of refrigerants and the environmental impact of improper refrigerant management.
- 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 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 psychometrics of air.
- explain the concepts of potable water and wastewater treatment systems and processes.

Required Program	Units
MET 255 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
Total Units Required	**23**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Suggested Semester Sequence
First Semester
MET 255 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
Second Semester
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

Mechanical-Electrical Technology (MET)

MET 250 Introduction to Mechanical-Electrical Technology 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
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 255 Mechanical Systems Maintenance 1.5 Units

Prerequisite: MET 351 with a grade of "C" or better or concurrent enrollment in MET 351.
Hours: 27 hours LEC
This course introduces the student to basic 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. 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 256 Fundamentals of Instruments and Electricity 1.5 Units

Prerequisite: MET 250 with a grade of "C" or better
Hours: 27 hours LEC
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. 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 257 Fundamentals of Workplace Success 1.5 Units

Prerequisite: MET 250 with a grade of "C" or better
Hours: 27 hours LEC
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. 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 294 Topics in Mechanical-Electrical Technology .5-4 Units

Prerequisite: None.
Hours: 18 hours LEC; 243 hours LAB
This is an individualized course developed in cooperation with industry to meet specialized training needs.

MET 295 Independent Studies in Mechanical – Electrical Technology 1-3 Units

Prerequisite: None.
Hours: 54 hours LEC
This course is designed to provide students 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 5 Units

Prerequisite: MET 250 with a grade of "C" or better
Advisory: MET 352 with a grade of "C" or better or concurrent enrollment in MET 352.
Course Transferable to CSU
Hours: 54 hours LEC; 108 hours LAB
This course is designed to introduce the student to the theoretical and practical applications of basic mechanical systems utilized in refrigeration, heating, cooling, steam power generation, photovoltaic and hot water solar systems, 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. 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 352 Mechanical Systems Calculations 3 Units

Prerequisite: MET 250 with a grade of "C" or better
Advisory: MET 351 with a grade of "C" or better or concurrent enrollment in MET 351.
General Education: AA/AS Area II(b)
Course Transferable to CSU
Hours: 54 hours LEC
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 361 Refrigeration Systems 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is devoted to the study of residential and commercial refrigeration systems and equipment. Students learn about mechanical compression and absorption 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. 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 362 Refrigeration Systems Calculations 3 Units

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.
Course Transferable to CSU
Hours: 54 hours LEC
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. 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 363 Refrigerant Transition and Recovery Processes and Procedures 1.5 Units

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.
Course Transferable to CSU
Hours: 27 hours LEC
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). 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 364 Electrical Controls 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides instruction in power and control circuits and devices used with refrigeration, heating, cooling, pumping, water treating, and photovoltaic and hot water solar heating mechanical systems. Units of instruction include a study of electron theory, magnetism, induction, alternating current, direct current, resistance, and capacitance. Practice using electrical meters and test instruments in laboratory classes along with related 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.

MET 368 Heat Pump Operation and Maintenance 3 Units

Prerequisite: MET 256, 351, and 352 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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. 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 371 Heating and Power Machivnery 3 Units

Prerequisite: MET 255, 361, 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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

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.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: MET 255, 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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides instruction in the design and construction of mechanical and piping systems. Units of instruction include mechanical and plumbing codes, basic sketching techniques, 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 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 introduction to 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 3 Units

Prerequisite: MET 256, 351, and 352 with grades of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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, photovoltaic 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 3 Units

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.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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, field devices and user interfaces to ensure that they are installed, programmed, and operated precisely as the design intent. 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 392 Energy Management and Efficiency for HVAC Mechanical Systems 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 â Leadership in Energy and Environmental Design, and the U. S. Green Building Council rating system. 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 393 Commercial Building Energy Audits and Calculations 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 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 395 Water Treatment for Heating and Air Conditioning Equipment 3 Units

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.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: MET 381, 383, and 384 with grades of "C" or better
Advisory: MET 391 and MET 392 with a grade of "C" or better or concurrent enrollment in MET 391 and MET 392.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 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 495 Independent Studies in Mechanical-Electrical Technology 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 108 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
See Experimental Offering

Music MUFHL, MUIVI, MUP, MUSM

Degrees:
- **A.A. – Commercial Music, Audio Production Emphasis**
- **A.A. – Commercial Music, Music Business Management Emphasis**
- **A.A. – Commercial Music, Performance Emphasis**
- **A.A. – Commercial Music, Songwriting/Arranging Emphasis**
- **A.A. – Music, General**
- **AA-T – Music for Transfer**

Certificates of Achievement:
- **Commercial Music, Audio Production Emphasis**
- **Commercial Music, Music Business Management Emphasis**
- **Commercial Music, Performance Emphasis**
- **Commercial Music, Songwriting/Arranging Emphasis**

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

MUFHL – Music Fundamentals/History and Literature
MUP – Music Performance
MUIVI – Instrumental/Voice Instruction
MUSM – Specializations in Music

Commercial Music

The Commercial Music option includes four areas of emphasis for career preparation. They are Audio Production, Music Business Management, Performance, and Songwriting/Arranging.

Audio Production Emphasis

Associate in Arts Degree
Certificate of Achievement

Program Information

This program is designed as introductory preparation for employment as 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.

Career Opportunities

The Commercial Music, Audio Production A.A. Degree 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.

Gainful Employment

For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051195C01

Upon completion of this program, the student will be able to:
- demonstrate a basic knowledge of music recording equipment and various music recording workflows.
- demonstrate a basic understanding of the processes involved in recording music groups in the semi-professional or home recording studio.
- demonstrate knowledge and understanding of the skills needed to conduct a professional music recording session.
- demonstrate the ability to properly use the equipment found in recording studios to achieve successful outcomes to a variety of activities common to the music recording workflow.
- demonstrate the ability to successfully complete projects in music mixing and audio post-production using both analog and digital platforms.

Required Program	**Units**
1st Semester:	
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
2nd Semester:	
MUSM 342 Recording Studio Techniques (3)	3
MUSM 344 Recording Studio Techniques	3
MUSM 350 Recording Studio Techniques	3
3rd Semester:	
MUSM 354 Sound Recording Workshop	3
MUSM 356 Pro Tools 101, Introduction to Pro Tools	1.5
4th Semester:	
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)	1.5
or MUSM 358 Pro Tools for Game Audio (1.5)	
MUSM 367 Audio for Video Post Production	1.5
A minimum of 5.5 units from the following:	5.5
ET 320 Semiconductor Theory (5)	
MUFHL 305 Music Appreciation (3)	
MUFHL 310 Survey of Music History and Literature (3) or MUFHL 481 Survey of Music History and Literature (Greek Antiquity to 1750) – Honors (3)	
MUFHL 311 Survey of Music History and Literature (3) or MUFHL 482 Survey of Music History and Literature (1750 to the present) – Honors (3)	
MUFHL 315 Jazz History (3)	
MUIVI 345 Beginning Piano (1 – 2)	
MUSM 330 Introduction to MIDI: Musical Instrument Digital Interface (2.5)	
MUSM 331 Intermediate MIDI: Musical Instrument Digital Interface (2.5)	
MUSM 358 Pro Tools for Game Audio (1.5)	
MUSM 366 Pro Tools 201, Advanced Pro Tools (1.5)	
Total Units Required	**38.5**

Associate in Arts (A.A.) Degree

The Associate in Arts degree may be obtained upon completion of required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement

The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Music Business Management Emphasis

Associate in Arts Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051197C01

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 and/or generate 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.

Required Program	**Units**
BUS 300 Introduction to Business	3
MGMT 304 Introduction to Management Functions	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)	
Retail Marketing	
MKT 300 Principles of Marketing (3)	
MKT 310 Selling Professionally (3)	
MKT 314 Advertising (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)	
Total Units Required	**30**

Associate in Arts (A.A.) Degree
The Associate in Arts degree may be obtained upon completion of required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Performance Emphasis

Associate in Arts Degree
Certificate of Achievement

Program Information
This program is designed to prepare students to perform in the styles of popular music most often heard on radio, television, and live concert venues.

Career Opportunities
This program is for the student interested in being a performer of various styles of popular music, both live and recorded.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051193C01

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 a audio recording session as a performer.
- demonstrate basic improvisational techniques.
- design and implement a practice routine for maintaining and improving performance skills.

Required Program	**Units**
MUFHL 309 Introduction to American Popular Music	3
MUFHL 320 Exploring Music	3
MUFHL 400 Music Theory	4
MUFHL 401 Music Theory	4
MUIVI 345 Beginning Piano	1 – 2
MUIVI 410 Applied Music	1
MUIVI 380 Improvisation Workshop	2
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	3
A minimum of 1 unit from the following:	1
MUP 315 Orchestra (2)	
MUP 325 Jazz Band (2)	
MUP 335 Concert Band (1)	
MUP 340 Symphonic Band (2)	
MUP 355 College Choir (2)	
MUP 402 Vocal Ensemble I (2)	
MUP 424 Commercial Music Ensemble (2)	
A minimum of 5 units from the following:	5
MUFHL 321 Basic Musicianship (3)	
MUFHL 410 Advanced Music Theory (4)	
MUFHL 411 Advanced Music Theory (4)	
MUFHL 430 Commercial Harmony and Arranging (2)	
MUFHL 431 Commercial Harmony and Arranging (2)	
MUFHL 310 Survey of Music History and Literature (3)	
MUFHL 311 Survey of Music History and Literature (3)	
MUSM 344 Recording Studio Techniques (3)	
MUSM 350 Recording Studio Techniques (3)	
MUSM 320 Contemporary Songwriting (3)	
MUSM 321 Contemporary Songwriting (3)	
MUIVI 315 Beginning Voice (1 – 2)	

MUIVI 325 Intermediate Voice (2)
MUIVI 330 Advanced Voice (2)
MUIVI 355 Intermediate Piano I (1 – 2)
MUIVI 356 Intermediate Piano II (1 – 2)
MUIVI 365 Popular Piano Styles I (1)
Total Units Required **35-36**

Associate in Arts (A.A.) Degree
The Associate in Arts degree may be obtained upon completion of required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Songwriting/Arranging Emphasis

Associate in Arts Degree
Certificate of Achievement

Program Information
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.

Career Opportunities
This program is for the student who is interested in being a freelance songwriter and arranger for commercial groups, advertising, schools, and churches.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051194C01

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.
- demonstrate basic knowledge of contemporary music markets.

Required Program **Units**

MUFHL 320 Exploring Music 3
MUFHL 309 Introduction to American Popular Music 3
MUFHL 400 Music Theory 4
MUFHL 401 Music Theory 4
MUIVI 345 Beginning Piano ..... 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 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 (3)
MUFHL 311 Survey of Music History and Literature (3)
MUFHL 315 Jazz History (3)
MUFHL 321 Basic Musicianship (3)
MUFHL 330 World Music (3)
MUFHL 410 Advanced Music Theory (4)
MUFHL 411 Advanced Music Theory (4)
MUFHL 430 Commercial Harmony and Arranging (2)
MUFHL 431 Commercial Harmony and Arranging (2)
MUP 424 Commercial Music Ensemble (2)
MUSM 344 Recording Studio Techniques (3)
MUSM 350 Recording Studio Techniques (3)
Total Units Required **37-38**

Associate in Arts (A.A.) Degree
The Associate in Arts degree may be obtained upon completion of required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Music, General

Associate in Arts Degree

Program Information
The general music degree provides the foundation for future performers, composers, educators, writers and researchers, and music therapists. Students receive training in instrumental and vocal techniques and performance, music theory, and music history. Students who plan to transfer to a four-year college or university are advised to complete this course of study.

Career Opportunities
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.

Recommended High School Preparation
Some background in voice or instrument. Ability to read music.

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.

Required Program **Units**

MUFHL 400 Music Theory 4
MUFHL 401 Music Theory 4
MUFHL 410 Advanced Music Theory 4
MUFHL 411 Advanced Music Theory 4
MUFHL 310 Survey of Music History and Literature (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 (3) 3
or MUFHL 482 Survey of Music History and Literature (1750 to the present) – Honors (3)
MUIVI 345 Beginning Piano ..... 1 – 2
MUIVI 346 Beginning Piano ..... 1 – 2

A minimum of 8 units from the following:.....8
- MUP 315 Orchestra (2)
- MUP 325 Jazz Band (2)
- MUP 335 Concert Band (1)
- MUP 340 Symphonic Band (2)
- MUP 355 College Choir (2)
- MUP 370 Rehearsal and Performance – Musical Ensemble (0.5 – 3)
- MUP 402 Vocal Ensemble I (1 – 2)
- MUP 411 Woodwind Ensemble (1 – 2)
- MUP 413 Percussion Ensemble (1 – 2)
- MUP 415 String Ensemble (1 – 2)
- MUP 417 Brass Ensemble (1 – 2)
- MUP 422 Special Ensemble Participation (0.5 – 2)
- MUP 424 Commercial Music Ensemble (2)
- MUP 426 World Music Ensemble (1)

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 410 Applied Music (1)
- MUIVI 441 Brass Instruction (1 – 2)
- MUIVI 443 String Instruction (1 – 2)
- MUIVI 445 Woodwind Instruction (1 – 2)
- MUIVI 447 Percussion Instruction (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 370 Beginning Guitar (2)
- MUIVI 371 Intermediate Guitar (2)
- MUIVI 375 Popular Electric Guitar Styles I (1)
- MUIVI 373 Popular Electric Bass Styles 1 (1)
- MUIVI 405 Jazz & Pop Styles on Drum Set I (1)

Total Units Required **36-38**

Associate in Arts (A.A.) Degree
The Associate in Arts degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to reach a 60-unit total. See SCC graduation requirements.

Transfer Students
In addition to the information above, students should consult the Requirements of Transfer Institutions section in this catalog and the music or related major sections of the specific catalog for the institution to which they wish to transfer, to determine entrance, general graduation, and major requirements. Consultation with SCC music staff and an SCC counselor is strongly recommended.

Recommended Course Sequence

First Semester	**Units**
MUFHL 400 Music Theory	4
Performance Group	1-2
Applied Music	1-2
Social Science	3
Language/Rationality	3
MUIVI 345 Beginning Piano	1-2
Electives	0-2
	15-18

Students also must meet competencies in reading, writing, and mathematics. Check with your SCC counselor for requirements.

Students without keyboard proficiency must take MUIVI 345 and MUIVI 346 during this semester.

Second Semester	**Units**
MUFHL 401 Music Theory	4
Performance Group	1-2
Applied Music	1-2
Social Science	3
Language/Rationality	3
MUIVI 346 Beginning Piano	1-2
Electives	0-2
	15-18

Students without keyboard proficiency must take MUIVI 346 during this semester.

Third Semester	**Units**
MUFHL 410 Advanced Music Theory	4
MUFHL 310 Survey of Music History and Literature (3) or MUFHL 481 Survey of Music History and Literature Honors (3)	3
Performance Group	1-2
Applied Music	1-2
Natural Science	3
Electives	1-3
	13-17

Fourth Semester	**Units**
MUFHL 411 Advanced Music Theory	4
MUFHL 311 Survey of Music History and Literature (3) or MUFHL 482 Survey of Music History and Literature Honors (3)	3
Performance Group	1-2
Applied Music	1-2
Living Skills	1-3
	10-14

Music

Associate in Arts for Transfer

Program Information
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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

Upon completion of this program, the student will be able to:

- analyze musical compositions and scores.
- understand the elements of music: melody, rhythm, harmony, form.
- apply understanding of 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.

Required Program	Units
MUFHL 400 Music Theory	4
MUFHL 401 Music Theory	4
MUFHL 410 Advanced Music Theory	4
MUFHL 411 Advanced Music Theory	4
A minimum of 2 units from the following: MUIVI 410 Applied Music (1)	2
A minimum of 4 units from the following: MUP 325 Jazz Band (2); MUP 335 Concert Band (1); MUP 355 College Choir (2); MUP 402 Vocal Ensemble I (2); MUP 403 Vocal Ensemble II (2); MUP 404 Vocal Ensemble III (2); MUP 405 Vocal Ensemble IV (2); MUP 424 Commercial Music Ensemble (2)	4
Total Units Required	**22**

Associate in Arts for Transfer Degree

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.

Music Fundamentals, History & Literature (MUFHL)

MUFHL 305 Music Appreciation 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better. Students enrolled in online courses must be able to use online computer technology to listen to sound files in specific formats, which are part of the course.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 some techniques for listening to and enjoying music. No previous musical experience is required. (C-ID MUS 100)

MUFHL 309 Introduction to American Popular Music 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Enrollment Limitation: Students enrolled in online courses must be able to use online computer technology to listen to sound files in specific formats, which are part of the course.
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course introduces students to the rich history of jazz and related styles including blues, 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, alternative, 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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ESLW 320 with grades of "C" or better
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 4 Units

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.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 72 hours LEC; 18 hours LAB
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 4 Units

Prerequisite: MUFHL 400 with a grade of "C" or better
General Education: CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 72 hours LEC; 18 hours LAB
This course is a study of intermediate level harmony (triads, seventh chords, secondary dominants, and modulation), 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. (C-ID MUS 130)

MUFHL 410 Advanced Music Theory 4 Units

Prerequisite: MUFHL 401 with a grade of "C" or better
General Education: CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 72 hours LEC; 18 hours LAB
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 Advanced Music Theory 4 Units

Prerequisite: MUFHL 410 with a grade of "C" or better
General Education: CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 72 hours LEC; 18 hours LAB
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. (C-ID MUS 150)

MUFHL 430 Commercial Harmony and Arranging 2 Units

Prerequisite: None.
Advisory: MUFHL 401 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC
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 2 Units

Prerequisite: MUFHL 430 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Enrollment Limitation: Eligibility for the Honors Program
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

MUFHL 482 Survey of Music History and Literature (1750 to the present) – Honors 3 Units

Prerequisite: None.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Enrollment Limitation: Eligibility for the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

MUFHL 495 Independent Studies in Music Fundamentals/History and Literature 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Music Instrumental/Voice Instruction (MUIVI)

MUIVI 315 Beginning Voice 1-2 Units

Prerequisite: None.
Advisory: MUFHL 321 with a grade of "C" of better.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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 2 Units

Prerequisite: MUIVI 315 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 18 hours LAB
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 2 Units

Prerequisite: MUIVI 325 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 18 hours LAB
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 345 Beginning Piano 1-2 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of C or better.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course is an introduction to basic piano playing and it 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.

MUIVI 346 Beginning Piano 1-2 Units

Prerequisite: MUIVI 345 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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.

MUIVI 355 Intermediate Piano I 1-2 Units
Prerequisite: MUIVI 346 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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.

MUIVI 356 Intermediate Piano II 1-2 Units
Prerequisite: MUIVI 355 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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.

MUIVI 357 Advanced Piano I 1-2 Units
Prerequisite: MUIVI 356 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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.

MUIVI 358 Advanced Piano II 1-2 Units
Prerequisite: MUIVI 357 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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.

MUIVI 365 Popular Piano Styles I 1 Unit
Prerequisite: MUIVI 355 with a grade of "C" or better or by demonstrating equivalent skills.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 18 hours LAB
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 1 Unit
Prerequisite: MUIVI 365 with a grade of "C" or better; or by demonstrating equivalent skills
Course Transferable to UC/CSU
Hours: 18 hours LEC; 18 hours LAB
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 1 Unit
Prerequisite: MUIVI 366 with a grade of "C" or better; or by demonstrating equivalent skills
Course Transferable to UC/CSU
Hours: 18 hours LEC; 18 hours LAB
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 1 Unit
Prerequisite: MUIVI 367 with a grade of "C" or better; or by demonstrating equivalent skills
Course Transferable to UC/CSU
Hours: 18 hours LEC; 18 hours LAB
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 2 Units
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 30 hours LEC; 18 hours LAB
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 fingerstyle techniques will be covered.

MUIVI 371 Intermediate Guitar 2 Units
Prerequisite: MUIVI 370 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 30 hours LEC; 18 hours LAB
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 2 Units
Prerequisite: MUIVI 371 with a grade of "C" or better; or equivalent experience.
Advisory: MUFHL 321 with a grade of "C" or better.
Course Transferable to UC/CSU
Hours: 30 hours LEC; 18 hours LAB
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 1 Unit
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 18 hours LAB
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 1 Unit
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
This course is an introduction to the elements of contemporary electric bass styles, including swing, blues, funk, Latin, reggae, and fusion.

MUIVI 375 Popular Electric Guitar Styles I 1 Unit
Prerequisite: None.
Advisory: MUIVI 370 with a grade of "C" or better.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
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 1 Unit
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.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
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 1 Unit
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.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
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 1 Unit
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.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
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 2 Units
Prerequisite: None.
General Education: CSU Area C1
Enrollment Limitation: Ability to play a musical instrument.
Course Transferable to UC/CSU
Hours: 27 hours LEC; 27 hours LAB
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 2 Units
Prerequisite: MUIVI 380 with a grade of "C" or better
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 27 hours LEC; 27 hours LAB
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 2 Units
Prerequisite: MUIVI 381 with a grade of "C" or better
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 27 hours LEC; 27 hours LAB
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 2 Units
Prerequisite: MUIVI 382 with a grade of "C" or better
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 27 hours LEC; 27 hours LAB
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 1 Unit
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
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 1 Unit
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
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 410 Applied Music 1 Unit
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 18 hours LEC
This course involves instrumental or vocal study requiring a minimum of one-half hour per week of individual study for the duration of the semester. This course meets one hour per week on campus for students to practice performing and to discuss topics related to performance. This course may be taken four times for credit.

MUIVI 441 Brass Instruction 1-2 Units

Prerequisite: None.
Enrollment Limitation: Ability to play a brass instrument based on the instructor's evaluation.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course is for brass players at the beginning and intermediate levels. Students will be placed on individualized instructional plans with assignments appropriate to their level of ability. A minimum of two and one-quarter hours a week practice in the music lab is required for the two-unit option.

MUIVI 443 String Instruction 1-2 Units

Prerequisite: None.
Enrollment Limitation: Ability to play a string instrument (violin, viola, cello, or double-bass), based on the instructor's evaluation
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course is for string players at the beginning and intermediate levels. Students will be placed on individualized instructional plans with assignments appropriate to their level of ability. A minimum of two and one-quarter hours a week practice in the music lab is required for the two-unit option.

MUIVI 445 Woodwind Instruction 1-2 Units

Prerequisite: None.
Enrollment Limitation: Ability to play a woodwind instrument (flute, oboe, clarinet, bassoon, or saxophone), based on the instructor's evaluation.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course is for woodwind players at the beginning and intermediate levels. Students will be placed on individualized instructional plans with assignments appropriate to their level of ability. A minimum of two and one-quarter hours a week practice in the music lab is required for the two-unit option.

MUIVI 447 Percussion Instruction 1-2 Units

Prerequisite: None.
Enrollment Limitation: Ability to play percussion instruments, based on the instructor's evaluation
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course is for percussion players at the beginning and intermediate levels. Students will be placed on individualized instructional plans with assignments appropriate to their level of ability. A minimum of two and one-quarter hours a week practice in the music lab is required for the two-unit option.

MUIVI 450 Popular Fiddle and Mandolin Instruction 1 Unit

Prerequisite: None.
Enrollment Limitation: The ability to play the fiddle or mandolin at the intermediate level.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
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 1 Unit

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
This course explores drumming techniques and styles of various cultures around the world. The course also explores the adaptation of these styles to the modern popular commercial music scene.

MUIVI 454 Indian Classical Fusion Improvisation 1 Unit

Prerequisite: None.
Enrollment Limitation: Ability to sing or to play any musical instrument. Students must provide their own musical instruments.
Course Transferable to UC/CSU
Hours: 12 hours LEC; 18 hours LAB
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Music Performance (MUP)

MUP 315 Orchestra 2 Units

Prerequisite: None.
Enrollment Limitation: Student should have the ability to play an instrument commonly found in an orchestra and read musical notation.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course includes the study and performance of orchestral repertoire. It is open to those who play orchestral instruments. 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 325 Jazz Band 2 Units

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.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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 2 Units

Prerequisite: MUP 325 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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 1 Unit

Prerequisite: None.
Enrollment Limitation: Ability to play an instrument commonly found in a concert band and read musical notation
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 2 Units

Prerequisite: None.
General Education: CSU Area C1
Enrollment Limitation: Ability to play an instrument commonly found in a symphonic band and read musical notation
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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 2 Units

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.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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 2 Units

Prerequisite: MUP 355 with a grade of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
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 370 Rehearsal and Performance – Musical Ensemble .5-3 Units

Same As: TA 466
Prerequisite: None.
Enrollment Limitation: Students are selected through auditions as singers and instrumentalists.
Course Transferable to UC/CSU
Hours: 162 hours LAB
This course is open to students performing in theatrical musical productions. It provides a workshop training experience in the preparation and performance of musical literature. Students are selected through audition as singers and instrumentalists. The course requires 27 hours of laboratory for each half-unit of credit. This course is cross-listed with TA 466. Students may receive credit for MUP 370 or TA 466, but not both.

MUP 402 Vocal Ensemble I 2 Units

Course Family: Vocal Ensemble
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.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course is an introduction to the rehearsal and performance of vocal ensemble music and is designed for the student who has some choral experience and/or 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 and workshops.

MUP 403 Vocal Ensemble II 2 Units
Course Family: Vocal Ensemble
Prerequisite: MUP 402 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This is an elementary course for the rehearsal and performance of vocal ensemble music and is designed for the student who has some choral experience and/or 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 and workshops.

MUP 404 Vocal Ensemble III 2 Units
Course Family: Vocal Ensemble
Prerequisite: MUP 403 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This is an intermediate course for the rehearsal and performance of vocal ensemble music and is designed for the student who has some choral experience and/or 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 and workshops.

MUP 405 Vocal Ensemble IV 2 Units
Course Family: Vocal Ensemble
Prerequisite: MUP 404 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This is an advanced course for the rehearsal and performance of vocal ensemble music and is designed for the student who has some choral experience and/or 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 and workshops.

MUP 411 Woodwind Ensemble 1-2 Units
Prerequisite: None.
Enrollment Limitation: Ability to play a woodwind instrument, to be evaluated by the instructor
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course includes the rehearsal and performance of ensemble music for woodwinds.

MUP 413 Percussion Ensemble 1-2 Units
Prerequisite: None.
Enrollment Limitation: Ability to play percussion instruments
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course includes the rehearsal and performance of ensemble music for percussion.

MUP 415 String Ensemble 1-2 Units
Prerequisite: None.
Enrollment Limitation: Ability to play a string instrument
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course offers coaching in the study and performance of music for guitar and/or orchestral staring ensembles.

MUP 417 Brass Ensemble 1-2 Units
Prerequisite: None.
Enrollment Limitation: Ability to play a brass instrument
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course includes the rehearsal and performance of ensemble music for brass.

MUP 422 Special Ensemble Participation .5-2 Units
Prerequisite: None.
Enrollment Limitation: Students should have the ability to play a musical instrument.
Course Transferable to UC/CSU
Hours: 108 hours LAB
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 2 Units
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.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
This course includes the rehearsal and performance 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. (C-ID MUS 180)

MUP 426 World Music Ensemble 1 Unit
Prerequisite: None.
Enrollment Limitation: Ability to play an instrument
Course Transferable to UC/CSU
Hours: 18 hours LEC; 18 hours LAB
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 1 Unit
Prerequisite: MUP 426 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 18 hours LEC; 18 hours LAB
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Specializations in Music (MUSM)

MUSM 110 The Business of Music 3 Units

Prerequisite: ENGWR 51 with a grade of "C" or better, or placement through the assessment process.
Hours: 54 hours LEC
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 3 Units

Prerequisite: MUSM 110 with a grade of "C" or better
Hours: 54 hours LEC
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: startup and staffing, locating talent, budgets and schedules, record-keeping, making and packaging CDs, 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 3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 3 Units

Prerequisite: MUSM 342 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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, and other 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 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 51 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: MUSM 320 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: MUHFL 401 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 2.5 Units

Prerequisite: None.
Advisory: MUFHL 320 or MUIVI 345 with a grade "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 36 hours LAB
This in 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 2.5 Units

Prerequisite: MUSM 330 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 36 hours LAB
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 1 Unit

Prerequisite: MUSM 331 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process.
General Education: CSU Area C1
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: MUSM 306 or 342 with a grade of "C" or better
General Education: CSU Area C1
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This lecture and "hands-on" lab class builds on topics covered in MUSM 342 and MUSM 306. It uses 8-track recording techniques utilizing the Alesis ADAT Digital Recorder and the Mackie 8-bus Mixer. 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 3 Units

Prerequisite: MUSM 344 and 356 with grades of "C" or better
Corequisite: MUSM 354
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
MUSM 350 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 HD system and D-Command Worksurface and the Otari Series 54, 24 track analog console and MX-80 recorder reproducer.

MUSM 354 Sound Recording Workshop 3 Units

Prerequisite: MUSM 344 and 356 with grades of "C" or better
Corequisite: MUSM 350 or 351
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course provides practical hands-on experience in many sound and music recording circumstances. This course is for second-year audio production students in the commercial music program. Students complete a wide variety of recording sessions under real world situations. Students are given the responsibility for all session duties, such as engineer, producer, digital audio workstation operator, production assistant, and session setup.

MUSM 356 Pro Tools 101, Introduction to Pro Tools 1.5 Units

Prerequisite: MUSM 306 or 342 with a grade of "C" or better
Corequisite: MUSM 344
Course Transferable to CSU
Hours: 27 hours LEC
This course is conducted in the Music Department's Mac computer lab. It is an introductory course to Digidesign's Pro Tools digital audio workstation software application. This is the first course offering as part of the College's Digidesign Certified Training Location alliance. This course trains students in the basic operation of Pro Tools LE. Students learn how to record, edit, and mix music and MIDI within the Pro Tools application.

MUSM 357 Pro Tools 110 Intermediate Pro Tools 1.5 Units

Prerequisite: MUSM 342 and 356 with grades of "C" or better
Corequisite: MUSM 344
Course Transferable to CSU
Hours: 27 hours LEC
This course offers intermediate level instruction in the skills needed to operate Digidesign's Pro Tools LE 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 1.5 Units

Prerequisite: MUSM 356 and 357 with grades of "C" or better
Course Transferable to CSU
Hours: 27 hours LEC
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 362 Mixing and Mastering Music Projects 3 Units

Prerequisite: MUSM 350, 354, 356, and 357 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 1.5 Units

Prerequisite: MUSM 350, 354, and 357 with grades of "C" or better
Course Transferable to CSU
Hours: 18 hours LEC; 27 hours LAB
This is the second course offering in the SCC Digidesign Certified Training Location alliance. Pro Tools 201 focuses on a foundation of skills needed to competently operate a Pro Tools TDM system in a professional environment. The third course needed to become a Certified Pro Tools Operator is not offered at SCC. The third course is offered at off-campus private learning centers.

MUSM 367 Audio for Video Post Production 1.5 Units

Prerequisite: MUSM 350, 354, and 356 with grades of "C" or better
Corequisite: MUSM 357
Course Transferable to CSU
Hours: 22 hours LEC; 15 hours LAB
In MUSM 367 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. Projects include actual work from Post Production Studios submitted to the College.

MUSM 368 Advanced Audio Lab – Independent Project 1 Unit

Prerequisite: MUSM 366 with a grade of "C" or better
Course Transferable to CSU
Hours: 54 hours LAB
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 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 in Music .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This course is designed to give students an opportunity to study a variety of topics dealing with performance and or Musicology. Selected topics would not include current course offerings. This course may be repeated for credit, providing there is no duplication of topics.

MUSM 495 Independent Studies in Music Specializations in Music 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LAB
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.

MUSM 498 Work Experience in Music Specializations in Music 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
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 expand learning on the job for up to 16 units.

MUSM 499 Experimental Offering in Music Specializations in Music .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering

Nursing, Registered NURSE

Degree:
A.S. – Nursing, Registered

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Nursing, Registered

Associate in Science Degree

Program Information

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 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. For details call (916) 558-2271 or visit the SCC website at http://www.scc.losrios.edu/~nursing/.

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.

NOTE: In accordance with Regulation 480 of the State Board of Registered Nursing, a person convicted of any offense, other than a minor traffic violation, may not qualify to be licensed as a Registered Nurse. If there are any questions regarding this matter, please contact the State Board of Registered Nursing or visit their website at www.rn.ca.gov.

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 of 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.

Those students seeking enrollment, re-entry, or transfer should visit the Sacramento City College Nursing website at http://www.scc.losrios.edu/~nursing/ or call the Science and Allied Health Division office at 916-558-2271.

Career Opportunities

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.

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 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.
- 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/.
- The Sacramento City College Nursing Program reserves the right to make changes in the enrollment criteria, academic requirements, grading standards, and other processes without notice at any time.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Enrollment criteria, enrollment applications, and deadlines are available from the Sacramento City College nursing website at http://www.scc.losrios.edu/~nursing/. 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 semester. There is no waiting list.
- Applications for enrollment and unofficial transcripts supporting completion of prerequisite courses and graduation course requirements must be submitted to the Science and Allied Health Division by the posted due date. Please see the nursing website at http://www.scc.losrios.edu/~nursing/ for more information about the enrollment process.

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.

Required Program	**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 Sociology of Race, Ethnicity, and Inequality – 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
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 Program Units	**74**

Associate in Science (A.S.) Degree

The Nursing, Registered Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements. See SCC graduation requirements.

Nursing, Registered (NURSE)

NURSE 299 Experimental Offering in Nursing .5-4 Units

Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

NURSE 307 LVN-RN (Associate Degree Nursing) Transition 5 Units

Prerequisite: See Enrollment Limitation
Enrollment Limitation: Enrollment in the Associate Degree Nursing (Registered Nursing) program and a licensed vocational nurse (LVN)
Course Transferable to CSU
Hours: 54 hours LEC; 108 hours LAB
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 8 Units

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.
Course Transferable to CSU
Hours: 72 LEC; 216 LAB
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 3 Units

Prerequisite: None.
Advisory: BIOL 100 (Introduction to Concepts of Human Anatomy and Physiology) with a "C" or better
Course Transferable to CSU
Hours: 54 hours LEC
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 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
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. Calculators will not be used in this course.

NURSE 407 Fundamentals of Health and Nursing Care 12 Units

Prerequisite: See Enrollment limitations
Advisory: FCS 324, NUTRI 300, or PSYC 370; with grades of "C" or better.
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.
Course Transferable to CSU
Hours: 108 hours LEC; 324 hours LAB
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 12 Units

Prerequisite: NURSE 407 with a grade of "C" or better
Enrollment Limitation: Enrollment in Associate Degree Nursing (Registered Nursing) program
Course Transferable to CSU
Hours: 108 hours LEC; 324 hours LAB
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 426 Nursing in Health Problems Through the Adult Years 4 Units

Prerequisite: NURSE 417 with a grade of "C" or better
Corequisite: NURSE 427
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
This course emphasizes theory and clinical experiences 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 using clinical reasoning, the nursing process, and evidence-based practice in delivery of patient-centered care. The concepts of safety, human development, nutrition, communication, sexuality, cultural/spiritual diversity, self-advocacy, legal/ethical aspects, pharmacology, and pathophysiology are integrated in the course. Emphasis is given to clinical decision making, critical thinking, quality improvement, teamwork, and collaboration for the medical surgical adult patient. Learning experiences provide students with opportunities to acquire new clinical skills and apply previously learned principles and concepts in a variety of clinical settings including the simulation lab.

NURSE 427 Nursing Complex Health Problems Through the Life Cycle 12 Units

Prerequisite: NURSE 417 with a grade of "C" or better
Enrollment Limitation: Enrollment in Associate Degree Nursing (Registered Nursing) program
Course Transferable to CSU
Hours: 108 hours LEC; 324 hours LAB
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 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, 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 12 Units

Prerequisite: NURSE 427 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Associate Degree Nursing (Registered Nursing) program
Course Transferable to CSU
Hours: 108 hours LEC; 324 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 63 hours LAB
See Experimental Offering

Nursing, Vocational VN

Degree:
A.S. – Nursing, Vocational

Certificate of Achievement:
Nursing, Vocational
LVN-RN 30-Unit Option

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Nursing, Vocational

Associate in Science Degree
Certificate of Achievement

Program Information
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, 53-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 support and nursing education courses with related clinical experiences in cooperating local hospitals. The program prepares for employment and also leads toward the Associate in Science Degree when additional requirements are met. In addition to the expenses as regularly enrolled students – tuition, living costs, activity fees and books – vocational nursing students have the expense of uniforms, professional liability insurance, physical examination, required immunizations, a criminal background check, a drug screen, graduation, and licensing costs.

Students also have the responsibility of their physical examination and required immunizations as well as transportation to and from clinical agencies for day and evening learning experiences. All students must have a current CPR category "C" American Heart Association or Professional Rescuer American Red Cross Certificate.

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. For information call 916-558-2271 or visit the SCC Web Site at http://www.scc.losrios.edu.

Career Opportunities
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, or 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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major= 051202C01

Recommended High School Preparation
Classes in biology, mathematics, and English.

Enrollment Eligibility
Completion of BIOL 100 (Introduction to Concepts of Anatomy and Physiology) with a grade of B or better.

Completion of FCS 324/PSYC 370 (Human Development: A Life Span), NUTRI 300 (Nutrition) or FCS 340, and AH 110 (Medical Language for Health-Care Providers) with a grade of "C" or better and with a cumulative GPA of 2.5 in these three (3) courses.

Completion of ENGRD 11 with a grade of "C" or better or eligibility for ENGRD 110 as determined by the reading assessment process for all applicants who do not have an Associate Degree or higher.

Be a high school graduate or pass the GED.

Courses taken for credit/no credit (C/NC) will be calculated into GPAs as a "C" grade.

A grade of "C" or better is mandatory in each course in the Required Program above for progression in the program and for recommendation for application for the licensing examination. If the clinical performance is "unsatisfactory," the semester grade will be "F" regardless of achievement in theory.

The Board of Vocational Nursing and Psychiatric Technicians requires that the student be a high school graduate or pass the GED.

Admission, Reentry or Transfer: Contact the Director of Vocational Nursing, Sacramento City College, 3835 Freeport Boulevard, Sacramento, CA 95822 or call 916-558-2271.

Enrollment Process
Applications for enrollment and official transcripts supporting completion of prerequisite courses must be submitted to the Science and Allied Health Division by the posted due date. Enrollment applications and deadlines are available from the Science & Allied Health Division Office (Mohr Hall, Room 18 or 558-2271) or the SCC website at http://www.scc.losrios.edu/~nursing/.

Completion of the enrollment eligibility requirements places the applicant in the random selection pool. Eligible students who are not enrolled will be considered alternates. One-third of the class will be randomly selected from the eligible applicants who were alternates from the previous semester. Two-thirds of the class will be selected from all eligible applicants.

Students accepted to the nursing program will be required to undergo a criminal background check and an 8-panel drug screen test prior to their clinical laboratory experience.

NOTE: Vocational Nursing courses must be taken in sequence.

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.
- apply scientific principles in competently performing common nursing measures and procedures.
- communicate effectively with patients and coworkers to assist in the achievement of health related problems and/or organizational goals.
- act as a teacher in providing information related to the activities of daily living and health practices for patients with common illnesses.
- organize care for a group of patients and participate in providing direction for personnel with less preparation or experience in other than acute care settings.
- assume responsibility for his/her own professional development and function with accountability within the legal boundaries of licensed vocational nursing practice.

Prerequisite Courses	Units
BIOL 100, Introduction to Concepts of Human Anatomy and Physiology	3
AH 110, Medical Language for Health-Care Providers	3
FCS 324, Human Development: A Life Span (3) or PSYC 370, Human Development: A Life Span (3)	3
NUTRI 300, Nutrition (3) or NUTRI 480 Nutrition Honors (3)	3
PSYC 300 General Principles (3) or PYSC 480 General Principles Honors (3)	3
Prerequisite Courses Units	**15**

Required Program	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**
Total Units Required	**51**

Associate in Science (A.S.) Degree
The Associate in Science Degree may be obtained by completing the required courses listed above, plus the general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Admission, Reentry or Transfer
Contact the Director of Vocational Nursing, Sacramento City College, 3835 Freeport Boulevard, Sacramento, CA 95822 or call 916-558-2271.

LVN-RN 30-Unit Option

Certificate of Achievement

Program Information
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 Nursing Program but does not meet the requirements for an associate degree in nursing.

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 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.

NOTE: In accordance with Regulation 480 of the State Board of Registered Nursing, a person convicted of any offense, other than a minor traffic violation, may not qualify to be licensed as a Registered Nurse. If there are any questions regarding this matter, please contact the State Board of Registered Nursing or visit their website at www.rn.ca.gov.

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.

Enrollment Process
Eligible students are selected for the program according to the following steps:

- Contact the Nursing department at 916-558-2272 for an appointment with the Program Director.
- Complete an application to the registered nursing program. Provide official transcripts and course descriptions of physiology, microbiology, and a previously attended licensed vocational nursing (LVN) program prior to the appointment.
- Provide proof of current California LVN licensure.

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 his or her own learning needs through reflective thinking and use resources to engage in continuous improvement in skills and knowledge.

Career Opportunities
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.

Required Program	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 Required	**29**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Vocational Nursing (VN)

VN 120 Meeting Adult Basic Health Needs 12 Units

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, and PSYC 300 with grades 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 or placement through the assessment process if applicant does not have an AA Degree or higher; and, acceptance into the Vocational Nursing Program.
Hours: 108 hours LEC; 324 hours LAB
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 12 Units

Prerequisite: VN 120 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Vocational Nursing program
Hours: 108 hours LEC; 324 hours LAB
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 12 Units

Prerequisite: VN 130 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Vocational Nursing program
Hours: 108 hours LEC; 324 hours LAB
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 bioethical 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 1.5 Units

Prerequisite: VN 140 with a grade of "C" or better; or current LVN license.
Hours: 27 hours LEC; 9 hours LAB
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 .5-4 Units

Prerequisite: None
Hours: 90 hours LEC
See Experimental Offerings

Nutrition and Foods NUTRI

Degree:
A.S. – Nutrition

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Nutrition

Associate in Science Degree

Program Information
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.

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/ 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.

Upon completion of this program, the student will be able to:
- demonstrate independent learning and effective communication skills.
- explain the principles of nutrition and its affects 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.

Required Program	**Units**
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)	
CHEM 400 General Chemistry (5)	5
or CHEM 305 Introduction to Chemistry (5)	
or CHEM 309 Integrated General, Organic, and Biological Chemistry (5)	
Subtotal Units	**12**

Plus either the CSU path or the UC path:

CSU Path (for students intending to transfer to CSU):	
BIOL 440 General Microbiology	4
PSYC 300 General Principles (3)	3
or PSYC 480 Honors General Principles (3)	
CSU Path Units	**7**
Total Units Required	**19**

OR

UC Path (for students intending to transfer to UC):	
BIOL 402 Cell and Molecular Biology	5
CHEM 420 Organic Chemistry	5
UC Path Units	**10**
Total Units Required	**22**

Associate in Science Degree (A.S.)
The Associate in Science 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.

Students planning to transfer should meet with a college counselor to identify required courses and develop an educational plan. It is strongly recommended that students complete the CSUGE or IGETC requirements for transfer.

Sequence of courses: Students may take courses in any order that they choose but should check prerequisites.

Nutrition (A.S. Degree)

Fall 1: CSU Path	Spring 1: CSU Path	Fall 2: CSU Path	Spring 2: CSU Path
NUTRI 300 or NUTRI 480 (3 units)	STAT 300 or STAT 480 (4 units)		PSYC 300 or PSYC 480 (3 units)
CHEM 300 (4 units)	CHEM 400 or CHEM 305 (5 units)	BIOL 440 (4 units)	
CSU GE (8 units)	CSU GE (6 units)	CSU GE (12 units)	CSU GE (12 units)
Total: 15 units	**Total: 15 units**	**Total: 16 units**	**Total: 15 units**
Fall 1: UC Path	**Spring 1: UC Path**	**Fall 2: UC Path**	**Spring 2: UC Path**
NUTRI 300 or NUTRI 480 (3 units)	STAT 300 or STAT 480 (4 units)	BIOL 402 (5 units)	
CHEM 300 (4 units)	CHEM 400 (5 units)	CHEM 401 (5 units)	CHEM 420 (5 units)
IGETC (9 units)	IGETC (6 units)	IGETC (3 units)	IGETC (12 units)
Total: 16 units	**Total: 15 units**	**Total: 13 units**	**Total: 17 units**

Nutrition and Foods (NUTRI)

NUTRI 300 Nutrition 3 Units

Prerequisite: None.
Advisory: ENGWR 51 and ENGRD 110; or ESLR 320 and ESLW 320 or ESL 114; and MATH 34; with grades of "C" or better.
General Education: AA/AS Area III(b); AA/AS Area IV; CSU Area E1
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

NUTRI 302 Nutrition for Physical Performance 3 Units

Same As: KINES 418
Prerequisite: None.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 51 and ENGRD 110; or ESLW 320 and ESLR 320; and MATH 34 with grades of "C" or better
General Education: AA/AS Area VI
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area III(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 Physical Education and Early Childhood Education majors as well as those dealing with people in social agencies, such as nursing and gerontology.

NUTRI 330 Food Theory and Preparation 4 Units

Same As: FCS 344
Prerequisite: None.
Advisory: ENGWR 51 and MATH 27 with grades of "C" or better.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
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. In the laboratory, basic cooking skills and theory applications will be emphasized. Additionally, emphasis is placed on the reasons for recipe procedures and the prevention and/or correction of cooking failures. Credit may be awarded for FCS 344 or NUTRI 330, but not for both.

NUTRI 480 Nutrition Honors 3 Units

Same As: FCS 480
Prerequisite: None.
General Education: AA/AS Area III(b); AA/AS Area IV; CSU Area E1
Enrollment Limitation: Eligibility for the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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/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 once for either NUTRI 480, FCS 480, FCS 340, or NUTRI 300.

NUTRI 499 Experimental Offering in Nutrition .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
See Experimental 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.

Occupational Therapy Assistant OTA

Degree:
A.S. – Occupational Therapy Assistant

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Occupational Therapy Assistant

Program Information

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 shortest time to complete all requirements of the program would be two years after admission to the program. 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 course. 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 semester, requiring completion of 320 hours in each setting, to be completed during regular business hours, Monday-Friday. These clinical rotations each have a separate and required on-campus seminar course, each for 27 hours. (Note: Due to site availability and unforeseen circumstances, not all sites may be assigned on the first day of the semester. All efforts are made to place students in fieldwork sites as soon as sites are available.) Fieldwork requires completion of a physical examination, 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 ($850); lab fees ($100); 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. 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. Courses in the OTA Program may include discussion of issues such as race, religion, sexuality, disability, and gender as related to the course content.

Accreditation/Certification: 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 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. 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 facts about the program. For information call (916) 558-2271 or visit the program website at http://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 semester 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 five to six months to complete.

The Sacramento City College Occupational Therapy Assistant Program reserves the right to make changes in the enrollment criteria, academic requirements, grading standards, and other processes without notice at any time.

Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Completion of AH 110, and BIOL 100 or BIOL 430 and 431, OTA 100, and PSYC 370 or FCS 324 with grades of "C" or better and a cumulative GPA of 2.5 in these four (4) 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 Associate Degree or higher. BIOL 100 or BIOL 430 and 431 or equivalent courses must have been completed within the last 10 years.
- Courses passed with a grade "P" or "CR" will be calculated into the student's GPA as a "C" grade.

Enrollment Process

Eligible students are selected for the program according to the following steps:

- Applications to the program must be submitted by the posted due date, which can be found on the program website at http://wserver.scc.losrios.edu/~ota/.

- When the number of applicants exceeds the available seats, a random selection process is used to determine the roster of the incoming class.
- All students accepted into the OTA Program must complete a background check and drug screen. Not a condition of acceptance, this helps identify the need for career-based counseling with the OTA Program Coordinator and/or the Academic Fieldwork Coordinator. Clinical sites may request this information as a condition of fieldwork placement. NOTE: 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.
- Transfer students: Students from other accredited OTA programs may apply to transfer to the Sacramento City College OTA Program. Acceptance to the program depends upon evidence of completion of equivalent academic and/or clinical coursework and upon space availability in the program. Students requesting a transfer review must submit the following: transcripts, course syllabi, and a letter of introduction from the director of the program where the student was previously enrolled. Students should submit a written request to the OTA Program Coordinator and allow five to six weeks for processing. 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.

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.

Required Program	**Units**
Prerequisite Courses:	
OTA 100 Introduction to Occupational Therapy	1
PSYC 370 Human Development: A Life Span (3) or FCS 324 Human Development: A Life Span (3)	3
BIOL 100 Introduction to Concepts of Human Anatomy and Physiology (3) or BIOL 430 Anatomy and Physiology (5) and BIOL 431 Anatomy and Physiology (5)	3 – 10[1]
AH 110 Medical Language for Health-Care Providers	3
ENGRD 110 Comprehension Strategies and Vocabulary Development For College	3[2]
Occupational Therapy Assistant Courses:	
OTA 110 Functional Biomechanics for the OTA	3
OTA 111 Functional Biomechanics Lab for the OTA	1
OTA 123 Fundamentals of Clinical Documentation	0.5
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
OTA 120 Fundamentals of Occupational Therapy Assistant Practice	3
OTA 131 Occupational Therapy Theory and Process in Psychosocial Dysfunction	5
OTA 140 Theoretical Foundations of Physical Dysfunction	3
OTA 141 Occupational Therapy Process in Physical Dysfunction	4
OTA 121 Contemporary Models of Practice in Occupational Therapy	2
A minimum of 2 units from the following: OTA 122 Introduction to Clinical Practice in Non-Traditional Settings (1) OTA 132 Introduction to Clinical Practice in Psychosocial Dysfunction (1) OTA 142 Introduction to Clinical Practice in Physical Dysfunction (1)	2
OTA 160 Field Work Level II for the Occupational Therapy Assistant	6
OTA 162 Practice Skills for First Rotation OTA Level II Field Work	0.5
OTA 161 Field Work Level II for the Occupational Therapy Assistant	6
OTA 163 Practice Skills for Second Rotation OTA Level II Field Work	0.5
Allied Health Courses:	
AH 106 Communication for Allied Health Careers	2[3]
General Education and Science Courses Required for the OTA Program:	
ENGWR 300 College Composition	3
LIBR 307 Medical Information Resources	0.5
NUTRI 300 Nutrition (3) or NUTRI 480 Nutrition Honors (3) or HEED 300 Health Science (3)	3
PSYC 300 General Principles (3) or PSYC 480 Honors General Principles (3)	3[4]
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) or AH 301 Health Care in a Multicultural Society (3)	3
Total Units Required	**67 – 74**

[1] *Ten year recency required.*
[2] *Completion of ENGRD 110 with a grade of "C" or better or eligibility for ENGRD 310 as determined by the assessment process for all applicants who do not have an Associate Degree or higher.*
[3] *May be taken prior to official enrollment in the OTA Program.*
[4] *Ten year recency required.*

Suggested Electives
AH 301, PNJABI 401, RUSS 101, SILA 305, SPAN 401, TGLG 401

Associate in Science (A.S.) Degree
The Associate in Science Degree may be obtained by completion of the required program plus the general education requirements. See SCC graduation requirements.

Occupational Therapy Assistant (OTA)

OTA 100 Introduction to Occupational Therapy 1 Unit

Prerequisite: None.
Hours: 18 hours LEC
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 3 Units

Prerequisite: See enrollment limitations
Corequisite: OTA 111
Advisory: AH 106 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Occupational Therapy Assistant Program and completion of BIOL 100, OTA 100, FCS 324 or PSYC 370 and AH 110 with grades of "C" or better and a cumulative GPA of 2.5 in these four (4) courses. 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.
Hours: 54 hours LEC
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. As well, students will complete a formal biomechanical activity analysis as it relates to occupational performance.

OTA 111 Functional Biomechanics Lab for the OTA 1 Unit

Prerequisite: See enrollment limitations
Corequisite: OTA 110
Advisory: AH 106 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Occupational Therapy Assistant Program and completion of BIOL 100, OTA 100, FCS 324 or PSYC 370, and AH 110 with grades of "C" or better and a cumulative GPA of 2.5 in these four (4) courses. 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.
Hours: 54 hours LAB
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. As well, 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 3 Units

Prerequisite: OTA 110, OTA 111, OTA 123, LIBR 307, and ENGWR 101 or ENGWR 300 with grades of "C" or better.
Hours: 54 hours LEC
This course will help the student 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 2 Units

Prerequisite: OTA 131 and 132 with grades of "C" or better
Hours: 36 hours LEC
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. As well, 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, OT service accessibility, and the essential need for the use of research and evidence in professional practice. Students are required to participate in and lead a community service event under faculty supervision.

OTA 122 Introduction to Clinical Practice in Non-Traditional Settings 1 Unit

Prerequisite: AH 106 with a grade of "C" or better; Consent of the OTA program coordinator and the academic fieldwork coordinator are required to ensure site availability.
Enrollment Limitation: Enrollment in the Occupational Therapy Assistant Program and completion of BIOL 100, OTA 100, FCS 324 or PSYC 370 and AH 110 with grades of "C" or better and a cumulative GPA of 2.5 in these four (4) courses. 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.
Hours: 54 hours LAB
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 completion of a physical examination, immunizations, a TB test, and/or current CPR certification for health personnel (level C). Background checks, fingerprinting, and drug screens may also be required. Proof of health insurance may be required. Proof of automobile insurance may be required 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 .5 Unit

Prerequisite: See enrollment limitations
Enrollment Limitation: Enrollment in the Occupational Therapy Assistant Program and completion of BIOL 100, OTA 100, FCS 324 or PSYC 370 and AH 110 with grades of "C" or better and a cumulative GPA of 2.5 in these four (4) courses. 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.
Hours: 9 hours LEC
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 131 Occupational Therapy Theory and Process in Psychosocial Dysfunction 5 Units

Prerequisite: OTA 110, 111, AH 106, PSYC 300 (within the last 10 years), and ENGWR 300 or ENGWR 101 with grades of "C" or better.
Corequisite: OTA 132
Hours: 72 hours LEC; 54 hours LAB
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 1 Unit

Prerequisite: AH 106, PSYC 300 (within the last 10 years) and ENGWR 300 or ENGWR 101 with grades of "C" or better.
Corequisite: OTA 131
Hours: 54 hours LAB
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 completion of a physical examination, immunizations, a TB test, and/or current CPR certification for health personnel (level C). Background checks, fingerprinting, and drug screens may also be required. Proof of health insurance may be required. Proof of automobile insurance may be required 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 3 Units

Prerequisite: OTA 120 with a grade of "C" or better
Corequisite: OTA 141 and 142
Hours: 54 hours LEC
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 4 Units

Prerequisite: OTA 131 and 132 with grades of "C" or better
Corequisite: OTA 140 and 142
Hours: 54 hours LEC; 54 hours LAB
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 1 Unit

Prerequisite: OTA 131 and 132 with grades of "C" or better
Corequisite: OTA 141
Hours: 54 hours LAB
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 completion of a physical examination, immunizations, a TB test, and/or current CPR certification for health personnel (level C). Background checks, fingerprinting, and drug screens may also be required. Proof of health insurance may be required. Proof of automobile insurance may be required 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 2.5 Units

Prerequisite: See enrollment limitations
Corequisite: OTA 152
Enrollment Limitation: Enrollment in the Occupational Therapy Assistant Program and completion of BIOL 100, OTA 100, AH 110, FCS 324 or PSYC 370 with grades "C" or better and a cumulative GPA of 2.5 in these four (4) courses. Completion of ENGRD 110 with a grade of "C" or better or placement in ENGRD 310 through the SCC placement process.
Hours: 36 hours LEC; 27 hours LAB
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 .5 Units

Prerequisite: See enrollment limitations
Corequisite: OTA 150
Enrollment Limitation: Enrollment in the Occupational Therapy Assistant Program and completion of BIOL 100, OTA 100, FCS 324 or PSYC 370, and AH 110, with grades of "C" or better and a cumulative GPA of 2.5 in these four (4) courses. Completion of ENGRD 110 with a grade of "C" or better or placement in ENGRD 310 through the SCC placement process.
Hours: 27 hours LAB
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 completion of a physical examination, immunizations, a TB test, and/or current CPR certification for health personnel (level C). Background checks, fingerprinting, and drug screens may also be required. Proof of health insurance may be required. Proof of automobile insurance may be required if driving is involved as part of the clinical experience. Students are responsible for their own transportation to/from the fieldwork site.

OTA 160 Field Work Level II for the Occupational Therapy Assistant 6 Units

Prerequisite: OTA 131 and 132 with grades of "C" or better
Corequisite: OTA 162
Hours: 324 hours LAB
This course concentrates on the application of knowledge and skills for the occupational therapy assistant 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 clients/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 completion of a physical examination, immunizations, a TB test, and/or current CPR certification for health personnel (level C). Background checks, fingerprinting, and drug screens may also be required. Proof of health insurance may be required. Proof of automobile insurance may be required if driving is involved as part of the clinical experience. Students are responsible for their own transportation to/from the fieldwork site.

OTA 161 Field Work Level II for the Occupational Therapy Assistant 6 Units

Prerequisite: OTA 121, 141, and 142 with grades of "C" or better
Corequisite: OTA 163
Hours: 324 hours LAB
This course concentrates on the application of knowledge and skills for the occupational therapy assistant 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 clients/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 completion of a physical examination, immunizations, a TB test, and/or current CPR certification for health personnel (level C). Background checks, fingerprinting, and drug screens may also be required. Proof of health insurance may be required. Proof of automobile insurance may be required 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 Field Work .5 Units

Prerequisite: None.
Corequisite: OTA 160
Hours: 27 hours LAB
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 preparation activities will also be included. This course is graded Pass/No Pass.

OTA 163 Practice Skills for Second Rotation OTA Level II Field Work .5 Units

Prerequisite: None.
Corequisite: OTA 161
Hours: 27 hours LAB
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 preparation activities will also be included. This course is graded Pass/No Pass.

OTA 295 Independent Studies in Occupational Therapy Assistant 1-3 Units

Prerequisite: None.
Enrollment Limitation: Only students officially enrolled in the Occupational Therapy Assistant Program, and in good-standing, are eligible for this course.
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC
This is an experimental course offering designed to provide students with coursework not normally offered by the Occupational Therapy Assistant Program. Course topics will be structured around new and emerging issues related to the field of occupational therapy.

Philosophy PHIL

Degree:
AA-T – Philosophy for Transfer

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

Associate Degree for Transfer
A Degree with a Guarantee.

Philosophy

Associate in Arts for Transfer

Program Information
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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

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 her own views with careful and compelling reasoning.
- express the perspectives and arguments of others in an accurate and nuanced manner.

Required Program	**Units**
PHIL 300 Introduction to Philosophy (3)	3
or PHIL 310 Introduction to Ethics (3)	
PHIL 325 Symbolic Logic (3)	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
Select two courses not used above.	
PHIL 300 Introduction to Philosophy (3)	
PHIL 310 Introduction to Ethics (3)	
PHIL 333 J.R.R. Tolkien, C.S. Lewis, Charles Williams and Romantic Idealism and the Meaning of Life (3)	
PHIL 338 Contemporary Philosophy (3)	
PHIL 352 Introduction to World Religions (3)	
PHIL 353 Religions of the Far East (3)	
PHIL 368 Law, Justice, and Punishment (3)	
Total Units Required	**18**

Associate in Arts for Transfer Degree
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.

Philosophy (PHIL)

PHIL 300 Introduction to Philosophy 3 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area II(b); AA/AS Area I; CSU Area A3; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PHIL 100)

PHIL 306 Environmental Philosophy 3 Units

Prerequisite: None.
General Education: AA/AS Area I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 our ability to know and shapes our beliefs.

PHIL 310 Introduction to Ethics 3 Units

Prerequisite: None.
Advisory: ENGWR 101 with a "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course introduces the student to classical and contemporary ethical theories and their application to a variety of contemporary moral issues such as capital punishment, animal rights, affirmative action, and our relationship to the environment. (C-ID PHIL 120)

PHIL 320 Logic and Critical Reasoning 3 Units
Prerequisite: None.
General Education: CSU Area A3
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area II(b); CSU Area A3
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PHIL 210)

PHIL 328 Critical Reasoning and Composition 3 Units
Prerequisite: ENGWR 300 with a grade of "C" or better
General Education: AA/AS Area II(b); CSU Area A3; IGETC Area 1B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introduction to logic and critical reasoning with an emphasis on writing. Issues for writing will be drawn from areas of philosophy such as ethics, social and political philosophy, and philosophy of religion. Students will develop skills in evaluating unsupported claims, identifying arguments, evaluating deductive and inductive reasoning, and identifying informal fallacies. These skills will then be applied to readings in philosophy and used to inform the student's own written compositions.

PHIL 330 History of Classical Philosophy 3 Units
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PHIL 130)

PHIL 331 History of Modern Philosophy 3 Units
Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PHIL 140)

PHIL 333 J.R.R. Tolkien, C.S. Lewis, Charles Williams and Romantic Idealism and the Meaning of Life 3 Units
Prerequisite: None.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course focuses on the philosophy of literature. J.R.R. Tolkien, C.S. Lewis, Charles Williams, and the medieval grail myths will provide the literary basis for philosophic issues and discussion. Plato, neoplatonism, and Romantic Idealism will provide the basis for concepts in metaphysics and aesthetics. This will include concepts of myth, art, Tibetan metaphysics and magic, and fairy tales, as well as concepts of beauty and eros.

PHIL 338 Contemporary Philosophy 3 Units
Prerequisite: None.
Advisory: ENGWR 101 with a "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This class addresses contributions to Western Philosophy in the 20th and 21st century. The topics of study might include Existentialism, Philosophy of Mind, Philosophy of Language, Feminism, Philosophy of Science, and Environmental Ethics.

PHIL 352 Introduction to World Religions 3 Units
Prerequisite: None.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 353 Religions of the Far East 3 Units
Prerequisite: None.
Advisory: ENGWR 101 with a grade "C" or better
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an introduction to the major religions of the Far East: Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, Shintoism, and Sufism. The origins, myths, basic teachings, development, and modern forms of each religion will be surveyed through comparison and contrast with each other in order to clarify religious concepts and practices.

PHIL 368 Law, Justice, and Punishment 3 Units

Prerequisite: None.
Advisory: ENGWR 101 with a "C" or better
General Education: AA/AS Area V(b); AA/AS Area I; CSU Area C2; CSU Area D8; IGETC Area 3B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better; or placement through the assessment process.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Enrollment Limitation: Eligibility for the Honors Program
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. This honors section uses an intensive instructional methodology designed to challenge motivated students. (C-ID PHIL 130)

PHIL 481 History of Modern Philosophy – Honors 3 Units

Prerequisite: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B
Enrollment Limitation: Eligibility for the Honors program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PHIL 140)

PHIL 495 Independent Studies in Philosophy 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Advisory: Eligibility for ENGWR 300; one or more courses in philosophy with a grade of "C" or better.
Course Transferable to UC/CSU
Hours: 54 hours LEC
Experimental offerings in Philosophy 499 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. 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.

Photography PHOTO

Degree:
A.A. – Photography

Certificates of Achievement:
Commercial and Magazine Photography
Photography
Portrait and Wedding Photography
Visual Journalism

Division of Advanced Technology
Donnetta Webb, Dean
Technology 106
916-558-2491

Commercial and Magazine Photography

Certificate of Achievement

Program Information
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.

Career Opportunities
Career opportunities include studio assistant, studio photographer, freelance photographer, editorial photographer, and lab manager.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051445C02

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.

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.

Required Program	**Units**
PHOTO 302 Beginning Digital Photography	3
PHOTO 312 Intermediate Digital Photography	3
PHOTO 210 Photography Business	3
PHOTO 212 Marketing & Self-Promotion for Photographers	3
PHOTO 390 Studio Lighting Techniques	3 – 4
PHOTO 391 Advanced Studio Lighting Techniques	3 – 4
PHOTO 280 Portfolio Development I	2 – 4
PHOTO 281 Portfolio Development II	2 – 4
A minimum of 9 units from the following:	9
PHOTO 271 Color Management (1.5)	
PHOTO 402 Digital Asset Management with Aperture & Photoshop Lightroom (1.5)	
PHOTO 390 Studio Lighting Techniques (3 – 4)	
PHOTO 282 Portfolio Development III (2 – 4)	
PHOTO 395 Stock Photography I (3)	
PHOTO 410 Advanced Digital Imaging (3)	
PHOTO 490 Assignment Photography (0.5 – 4)	
PHOTO 400 Digital Imaging (3)	
PHOTO 340 Careers in Photography (3)	
PHOTO 372 Advanced Portrait Photography (3)	
PHOTO 406 High Dynamic Range Imaging "HDRI" (3)	
PHOTO 392 Commercial and Advertising Photography (3 – 4)	
JOUR 360 Photojournalism (3)	
or PHOTO 350 Photojournalism (3)	
JOUR 364 Multimedia Capture I (3)	
or PHOTO 380 Multimedia Capture I (3)	
JOUR 365 Multimedia Capture II (3)	
or PHOTO 381 Multimedia Capture II (3)	
Total Units Required	**31 – 37**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Photography

Associate of Arts Degree

Program Information
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.

Career Opportunities
Career Opportunities include Studio Photography; Portrait & Wedding Photography; Photographic Lab Technician; Photojournalism; Industrial or Architectural Photography.

Transfer Students
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, 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.

Upon completion of this program, the student will be able to:

- describe technical and aesthetic qualities of successful photographs.
- 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.
- 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.

Required Program for the Degree	Units
PHOTO 302 Beginning Digital Photography	3
PHOTO 312 Intermediate Digital Photography	3
PHOTO 210 Photography Business (3)	3
or PHOTO 212 Marketing & Self-Promotion for Photographers (3)	
PHOTO 280 Portfolio Development I	2 – 4
PHOTO 350 Photojournalism (3)	3
or JOUR 360 Photojournalism (3)	
PHOTO 390 Studio Lighting Techniques (3 – 4)	3 – 4
or PHOTO 370 Portraiture and Wedding Photography (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
Total Units Required	**26 – 29**

Suggested Electives
PHOTO 370, 372, 390, 392, 400, 410; ART 300, BUS 300, ENGWR 384, GCOM 330, JOUR 300

Associate in Arts (A.A.) Degree
The Associate in Arts degree may be obtained by completion of required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Photography

Certificate of Achievement

Program Information
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.

Career Opportunities
Career opportunities include photography lab work, photography lab management. photographer's assistant.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051641C01

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.

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.

Required Courses	Units
PHOTO 280 Portfolio Development I	2 – 4
PHOTO 302 Beginning Digital Photography	3
PHOTO 312 Intermediate Digital Photography	3
PHOTO 210 Photography Business	3
A minimum of 3 units from the following:	3
PHOTO 271 Color Management (1.5)	
PHOTO 402 Digital Asset Management with Aperture & Photoshop Lightroom (1.5)	
PHOTO 390 Studio Lighting Techniques (3 – 4)	
PHOTO 350 Photojournalism (3)	
PHOTO 395 Stock Photography I (3)	
PHOTO 410 Advanced Digital Imaging (3)	
PHOTO 380 Multimedia Capture I (3)	
PHOTO 400 Digital Imaging (3)	
PHOTO 490 Assignment Photography (0.5 – 4)	
PHOTO 372 Advanced Portrait Photography (3)	
PHOTO 406 High Dynamic Range Imaging "HDRI" (3)	
JOUR 364 Multimedia Capture I (3)	
JOUR 360 Photojournalism (3)	
Total Units Required	**14 – 16**

Certificate of Achievement
The Certificate may be obtained by completion of the required courses with grades of "C" or better.

Portrait and Wedding Photography

Certificate of Achievement

Program Information
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051214C01

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.

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.
- survey history, careers, 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.

Required Program	Units
PHOTO 302 Beginning Digital Photography	3
PHOTO 312 Intermediate Digital Photography	3
PHOTO 390 Studio Lighting Techniques	3 – 4
PHOTO 370 Portraiture and Wedding Photography	3
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
A minimum of 9 units from the following:	9
PHOTO 271 Color Management (1.5)	
PHOTO 402 Digital Asset Management with Aperture & Photoshop Lightroom (1.5)	
PHOTO 391 Advanced Studio Lighting Techniques (3 – 4)	
PHOTO 282 Portfolio Development III (2 – 4)	
PHOTO 395 Stock Photography I (3)	
PHOTO 410 Advanced Digital Imaging (3)	
PHOTO 490 Assignment Photography (0.5 – 4)	
PHOTO 400 Digital Imaging (3)	
PHOTO 340 Careers in Photography (3)	
PHOTO 372 Advanced Portrait Photography (3)	
PHOTO 406 High Dynamic Range Imaging "HDRI" (3)	
JOUR 360 Photojournalism (3)	
or PHOTO 350 Photojournalism (3)	
JOUR 364 Multimedia Capture I (3)	
or PHOTO 380 Multimedia Capture I (3)	
JOUR 365 Multimedia Capture II (3)	
or PHOTO 381 Multimedia Capture II (3)	
Total Units Required	**31 – 36**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Visual Journalism

Certificate of Achievement

Program Information
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 the Journalism and Photography programs with an emphasis on building a multimedia journalistic portfolio.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051431C01

Transfer Students
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 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.

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.

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/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, ethnicities, and culture.
- demonstrate understanding of the fundamentals of mass media theories, concepts, and practices as they relate to gender, ethnicities, and cultural constructs.
- demonstrate understanding of journalistic writing style and reporting.

Required Program	Units
PHOTO 302 Beginning Digital Photography	3
PHOTO 312 Intermediate Digital Photography	3
PHOTO 280 Portfolio Development I	2 – 4
PHOTO 350 Photojournalism (3)	3
or JOUR 360 Photojournalism (3)	
JOUR 364 Multimedia Capture I (3)	3
or PHOTO 380 Multimedia Capture I (3)	
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 430 Online Multimedia Production I	3
JOUR 431 Online Multimedia Production II	3
Total Units Required	**26 – 28**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Photography (PHOTO)

PHOTO 210 Photography Business 3 Units

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.

Hours: 54 hours LEC

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. The student will also develop and prepare a three-year photography business plan as a final project.

PHOTO 212 Marketing & Self-Promotion for Photographers 3 Units

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 212 or MKT 314 with a grade of "C" or better.

Hours: 54 hours LEC

This course is designed to prepare students in 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. This course may be taken once for credit.

PHOTO 266 Location Photography 2 Units

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 style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.

Hours: 18 hours LEC; 54 hours LAB

Students will participate in either a landscape or cityscape photography workshop emphasizing a geographic region. The course will include a variety of topics in traditional and digital photography including camera formats, working on location, and pre-production planning of location photography. This course may be taken once for credit. Students will be responsible for all of their own photographic expenses, and may incur additional fees for transportation, lodging, food, park fees, and more.

PHOTO 270 Panoramic and Still Image Animation 1.5 Units

Prerequisite: None.

Hours: 18 hours LEC; 27 hours LAB

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 271 Color Management 1.5 Units

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.

Hours: 18 hours LEC; 27 hours LAB

This course covers the fundamental principles of color management. Topics include calibration, profile generation, color management in Photoshop, and optimizing and preparing images for output to labs, press, inkjet printers, projectors, and the web. Through lecture, hands-on exercises, quizzes, and projects, students will learn to properly manage color for computers, cameras, and inkjet printers from start to finish. This course may be taken once for credit.

PHOTO 274 Digital Photography Basics 1.5 Units

Prerequisite: None.

Hours: 18 hours LEC; 27 hours LAB

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. A fee is charged for digital printing.

PHOTO 280 Portfolio Development I 2-4 Units

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.

Hours: 36 hours LEC; 108 hours LAB

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. This course may be taken once for credit.

PHOTO 281 Portfolio Development II 2-4 Units

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 style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Hours: 36 hours LEC; 108 hours LAB
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 about regional markets and outlets for their styles of photography. Students will produce a complementary but completely different style of portfolio as they did in PHOTO 280. Individual brands, presentation methods, and forums for distribution and exhibition will be emphasized for this new portfolio. Topics of discussion will 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 2-4 Units

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 style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Hours: 36 hours LEC; 108 hours LAB
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 .5-4 Units

Prerequisite: None
Hours: 72 hours LEC; 72 hours LAB
See Experimental Offerings

PHOTO 302 Beginning Digital Photography 3 Units

Prerequisite: None.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course combines lectures with hands-on experience in digital photography. Instruction includes digital camera function, exposure control, flash photography, technical and creative control, basic computer manipulation of images, digital archiving, and digital output options. The format of the class includes lectures, visual presentations, lab time, field trip, exams, and a portfolio. Students must provide their own adjustable DSLR digital camera and necessary media and materials. A fee is charged for digital printing. This course may be taken once for credit.

PHOTO 312 Intermediate Digital Photography 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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, computer manipulation of images with Adobe Photoshop, digital archiving, digital output options, and digital print finishing. The format of the class includes lectures, visual presentations, lab time, required field trip, exams, and a portfolio. Students must provide their own adjustable DSLR digital camera and necessary media and materials. A fee is charged for digital printing. This course may be taken once for credit.

PHOTO 340 Careers in Photography 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is designed to give students an overview of different careers available in the photographic industry. Fields of study include portraiture, fashion, photojournalism, commercial, and wedding photography. Students are encouraged to pursue their own area of interest through the production of a portfolio and working with professionals in the field. The class includes lectures, slide presentations, lab time, written tests, and could include more than one off campus photography studio visit. Students will also complete a resume, price list, and a final portfolio in traditional film or digital formats. Students must be able supply their own adjustable cameras and related digital equipment and attend any off campus class activities.

PHOTO 342 Techniques in Photography 1-4 Units

Prerequisite: None.
Corequisite: Concurrent enrollment in at least one photography course.
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Course Transferable to CSU
Hours: 216 hours LAB
This course is designed to develop students' skills in both digital and traditional darkroom processes and studio lighting techniques. Students will use the additional lab time in conjunction with a course they are currently enrolled in to fully explore the creative and technical elements of the course's assignments. The class includes a final critique session to evaluate the student's progress and achievements in the course. This course may be taken once for credit.

PHOTO 350 Photojournalism 3 Units

Same As: JOUR 360
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.
Advisory: PHOTO 312; with a grade of "C" or better
Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 on line and print campus publications (The Express, Mainline Magazine, etc) to complete assignments for their final portfolio. The course includes lectures, visual presentations, speakers, a required field trip, 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. (C-ID JOUR 160)

PHOTO 370 Portraiture and Wedding Photography 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Same As: JOUR 364
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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 mediums and the various software used to edit this material. Students will receive practical experience in capturing and editing audio, video and still images with Soundslides, Apple's iMovie, Soundtrack Pro, and Final Cut Pro computer programs. Students will complete a final multimedia project and 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. This course may be taken once for credit. Credit may be earned for JOUR 364 or PHOTO 380, but not for both. (C-ID JOUR 120)

PHOTO 381 Multimedia Capture II 3 Units

Same As: JOUR 365
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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 Soundslides and Apple's iMovie editing programs, but a primary emphasis will be placed on the use of Apple's Final Cut Pro computer program for completing their final project. 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. This course may be taken once for credit. Credit may be earned for PHOTO 381 or JOUR 365, but not for both.

PHOTO 390 Studio Lighting Techniques 3-4 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
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. This course may be taken once for credit.

PHOTO 391 Advanced Studio Lighting Techniques 3-4 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
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 3-4 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 108 hours LAB
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. This course may be taken once for credit. Students must provide their own adjustable cameras and related instructional materials.

PHOTO 395 Stock Photography I 3 Units

Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by 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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is designed to give students an introduction to the creative, technical, and unique business aspects of Stock Photography. Stock Photography is defined as photography of common landmarks, objects, concepts, people, and events that can be sold and resold for a variety of commercial purposes. Topics of instruction include getting started in stock photography, defining your creative style, shooting images that sell, working with stock agencies, using fotoQuoto software, and understanding the stock image enhancement work flow with Adobe Photoshop. Students are encouraged to pursue their own style, subject matter, and markets of interest through the production of a stock portfolio. Students will also work in a variety of shooting environments including studio and remote locations to enhance their technical skills. The class includes lectures, image presentations, an optional field trip, lab time, written tests, a notebook, and a final portfolio. This course may be taken once for credit. Students must supply their own adjustable traditional or digital camera and related materials.

PHOTO 396 Stock Photography II 3 Units

Prerequisite: PHOTO 395 with a grade of "C" or better; technical competency determined by 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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is designed to expand on the technical, creative, and business aspects acquired in PHOTO 395. Topics of instruction will advance students understanding of the profession of stock photography. Topics include discovering emerging markets, targeting an audience and creative trends, using people professionally in your stock photography, using a stock agent, advance image enhancement with Adobe Photoshop, and changing one's style in a changing market. Students are encouraged to pursue new styles, subject matter, and markets of interest through the production of a stock portfolio. Students will continue to shoot in a variety of new environments to enhance their developing technical skills. The class includes lectures, image presentations, an optional field trip, lab time, written tests, a notebook, and a final portfolio. Students must supply their own adjustable digital camera and related materials.

PHOTO 400 Digital Imaging 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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. A fee is charged for digital printing. This course may be taken once for credit.

PHOTO 402 Digital Asset Management with Aperture & Photoshop Lightroom 1.5 Units

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.
Course Transferable to CSU
Hours: 18 hours LEC; 27 hours LAB
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. This course may be taken once for credit.

PHOTO 406 High Dynamic Range Imaging HDRI 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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. 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 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is an advanced study of digital imaging and alternative digital techniques. Methods currently used in publishing, creative capture, and post-processing of traditional and digital media will be emphasized. The class 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. This course may be taken once for credit.

PHOTO 415 Advanced Digital Photo Restoration and Retouching 3 Units

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.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 .5-4 Units

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.
Course Transferable to CSU
Hours: 43 hours LEC; 87 hours LAB
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, how to set pricing for projects, and strategies for presenting concepts. This course may be taken once for credit.

PHOTO 492 Media Professional – Production Lab 1-4 Units

Same As: GCOM 492 and JOUR 492
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.
Course Transferable to CSU
Hours: 216 hours LAB
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 once for credit

PHOTO 494 Topics in Photography .5-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 43 hours LEC; 87 hours LAB
This course is designed to give students an opportunity to study topics in photography not included in current course offerings. This course may be taken once for credit.

PHOTO 495 Independent Studies in Photography 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 a chance to do research and/or experimentation that is more typical of advanced studies in Photography. This course may be taken once for credit.

PHOTO 498 Work Experience in Photography 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering

Physical Therapist Assistant PTA

Degree:
A.S. – Physical Therapist Assistant

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

Physical Therapist Assistant

Associate of Science Degree

Program Information
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 (33.5 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) requires one full day per week during the second semester of the program. 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.

Career Opportunities

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.

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 110) is advised prior to enrollment in the program.

Enrollment Requirements
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 and official transcripts to the Science and Allied Health Division. Approximately 30 students are enrolled in the program annually. Prerequisite courses include:
- PTA 100 (Introduction to Physical Therapist Assistant)
- BIOL 430 and 431 (Anatomy and Physiology), or equivalent courses, with grades of "C" or better within 10 years
- ENGWR 300 (College Composition) or ENGWR 480 (Honors College Composition) or ESLW 340 (Advanced Composition) with grades of "C" or better
- ENGRD 110 (Composition Strategies and Vocabulary Development for College) with grade of "C" or better or eligibility for ENGRD 310 (Prose Analysis and Interpretation) as determined by the reading assessment process for all applicants who do not have an AA degree or higher
- If students have completed all other prerequisites, but have BIOL 431 in progress at the time of application, they will be considered eligible, pending receipt of final grade report.

Enrollment Process
Applications for enrollment and official transcripts supporting completion of prerequisite courses must be submitted to the Science and Allied Health Division. Enrollment applications and deadlines are available from the Science and Allied Health Division Office (Mohr Hall, Room 18 or 916-558-2271) or the physical therapist assistant program website at http://www.scc.losrios.edu/Academics/Science_and_Allied_Health_Division/Physical_Therapist_Assistant.htm.

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; and e) first aid 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.

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.

Licensure
Graduates of this program are eligible for the National Examination for Physical Therapist Assistants. After successful completion of the examination and all requirements of the Physical Therapy Board of California, graduates may be licensed to work as physical therapist assistants in California.

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 SCC Web Site at http://www.scc.losrios.edu and use the pull-down menu to select the Physical Therapist Assistant department.

Cost of the Program
The cost of the program includes enrollment fees, which are subject to change. Other estimated costs include: books and supplies $1600.00; physical examination, immunizations, drug screen, background check, and other clinical requirements $500.00; malpractice insurance $40.00; uniforms $50.00; and application for licensure after graduation $600.00. 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.

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.

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.
- 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 their own performance and engage in self-directed learning activities to enhance clinical performance.

Required Program

Prerequisite Courses **Units**

PTA 100 Introduction to Physical Therapist Assistant 1.5
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)
ENGRD 110 Comprehension Strategies and Vocabulary Development For College ..... 3[1]

First Year, Fall Semester:
PTA 110 Kinesiology for PTA Students 3
PTA 111 Kinesiology Laboratory for PTA Students 2
AH 100 Professional Ethics of Health Team Members 1

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
PTA 122 Introduction to Clinical Practice 3

Summer Session:
PTA 130 Intermediate Procedures, Physical Therapy Modalities and Procedures 1
AH 106 Communication for Allied Health Careers 2

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

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
PTA 153 Professional Issues in Physical Therapy 1

General Education Courses:
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)
NUTRI 300 Nutrition (3) 3
or NUTRI 480 Nutrition Honors (3)
or HEED 300 Health Science (3)

Total Required Units **63-64**

[1] ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an Associate degree or higher.

Associate in Science (A.S.) Degree
The Associate in Science Degree may be obtained by completion of all components of the required program, plus general education requirements. See SCC graduation requirements.

Physical Therapist Assistant (PTA)

PTA 100 Introduction to Physical Therapist Assistant 1.5 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better
Hours: 27 hours LEC
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 3 Units

Prerequisite: See enrollment limitations.
Advisory: AH 110 and LIBR 318 with grades of "C" or better
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.
Hours: 54 hours LEC
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 2 Units

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.
Hours: 108 hours LAB
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, upper extremity coordination, and analysis of posture and gait. Physical therapy procedures such as range of motion, positioning and draping, and body mechanics are introduced. Principles of gross motor, fine motor, and reflex development are included. 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 3.5 Units

Prerequisite: PTA 110 and 111 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program
Hours: 45 hours LEC; 54 hours LAB
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, 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 3 Units

Prerequisite: PTA 110 and 111 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 54 hours LEC
This course is designed as an overview of musculoskeletal, cardiovascular, respiratory, renal, endocrine, immune, 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 3 Units

Prerequisite: PTA 110 and 111 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 18 hours LEC; 112 hours LAB
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, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. Seminar, individual meeting, and on-line 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 1 Unit

Prerequisite: PTA 120, 121, and 122 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program
Hours: 9 hours LEC; 27 hours LAB
This course introduces the theory and application of massage, soft tissue mobilization techniques, biofeedback, and traction utilized 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 140 Therapeutic Exercise – Exercise Programs, Protocols and Procedures 3 Units

Prerequisite: PTA 130 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 36 hours LEC; 54 hours LAB
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 2 Units

Prerequisite: PTA 130 with a grade of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 36 hours LEC
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 4 Units

Prerequisite: AH 100, AH 106, and PTA 130 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 240 hours LAB
This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. This is the first full-time clinical assignment during the program. Students complete a clinical affiliation 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 3 Units

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 36 hours LEC; 54 hours LAB
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, or 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 1 Unit

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 9 hours LEC; 27 hours LAB
This course introduces theory and application of electrotherapeutic modalities utilized by physical therapist assistants. Topics include the use of electrical stimulation for pain management, muscle re-education, and tissue healing. Through case-based learning activities students integrate skills in data collection, electrotherapeutic modalities, and other interventions for implementation of a comprehensive physical therapy plan of care.

PTA 152 Clinical Practicum II 4 Units

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 240 hours LAB
This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. This is the second full-time clinical assignment during the program. Students complete a clinical affiliation 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 the first full-time clinical assignment. 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 1 Unit

Prerequisite: PTA 140, 141, and 142 with grades of "C" or better
Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.
Hours: 18 hours LEC
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, prepare a resume, and practice interview skills.

PTA 295 Independent Studies in Physical Therapist Assistant 1-3 Units

Prerequisite: None.
Hours: 36 hours LEC; 54 hours LAB
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 .5-4 Units

Prerequisite: None
Hours: 48 hours LEC; 72 hours LAB
This course will be an experimental offering on topics not yet covered by current Physical Therapist Assistant courses or an offering that addresses topics as they arise, such as those which relate to new physical therapy modalities, procedures, or professional issues. This course can be repeated for credit four times as long as there is no duplication of topics.

Division of Science and Allied Health
James Collins, Dean
Mohr Hall 18
916-558-2271

NOTE: The University of California has a credit restriction on certain combinations of physics courses. See your counselor for detailed information on the current UC Articulation Agreement.

Physics (PHYS)

PHYS 310 Conceptual Physics 3 Units

Prerequisite: None.
Advisory: MATH 34 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 4 Units

Prerequisite: High School Trigonometry or a course with equivalent Trigonometry content or MATH 335 with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 4 Units

Prerequisite: PHYS 350 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB
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 electric charge, electric fields, AC and DC circuit theory, electromagnetism, optics, wave theory, and quantum physics. (C-ID PHYS 110)

PHYS 410 Mechanics of Solids and Fluids 5 Units

Prerequisite: MATH 400 with a grade of "C" or better
Corequisite: MATH 401
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB ; 18 hours DIS
Topics covered include linear and rotational motion, Newton's laws, dynamics of rigid bodies, harmonic motion, and liquids. This course is for physics, mathematics, chemistry, architecture, and engineering majors. (C-ID PHYS 205)

PHYS 420 Electricity and Magnetism 5 Units

Prerequisite: MATH 401 and PHYS 410 with grades of "C" or better
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB ; 18 hours DIS
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. (C-ID PHYS 210)

PHYS 430 Heat, Waves, Light and Modern Physics 5 Units

Prerequisite: PHYS 410 with a grade of "C" or better
Corequisite: MATH 402
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A
Course Transferable to UC/CSU
Hours: 54 hours LEC; 54 hours LAB ; 18 hours DIS
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. (C-ID PHYS 215)

PHYS 494 Topics in Physics .5-4 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering. 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.

Political Science POLS

Degree:
A.A. – Political Science
AA-T – Political Science for Transfer

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Political Science

Associate in Arts Degree

Program Information
Sacramento City College offers a unique political science experience that combines both the science and arts 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.

Career Opportunities
Completion of the degree will lead to professions in public or private sector in the areas of law, public relations, business, advocacy, lobbying, international relations, diplomacy, and academia. Completion of the degree will lead to opportunities in national, state, and local governments.

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.

Required Program	**Units**
A minimum of 9 units from the following:	9
POLS 301 Introduction to Government: United States (3)	
POLS 302 Introduction to Government: Foreign (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 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 310 History of the United States (3)	
HIST 483 History of the United States Honors (3)	
HIST 311 History of the United States (3)	
HIST 484 History of the United States Honors (3)	
Total Units Required	**18**

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Political Science

Associate in Arts for Transfer

Program Information
This program is designed to provide a clearly articulated curricular track for Sacramento City College students preparing to transfer in Political Science 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

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.

Required Program	Units
POLS 301 Introduction to Government: United States (3)	3
or POLS 481 Introduction to Government: United States – Honors (3)	
POLS 302 Introduction to Government: Foreign	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
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)	
ECON 302 Principles of Macroeconomics (3)	
Total Units Required	**18**

Associate in Arts for Transfer Degree
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.

Political Science (POLS)

POLS 301 Introduction to Government: United States 3 Units

Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better.
General Education: AA/AS Area V(a); CSU Area D8; CSU Area F2; CSU Area F3; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 Introduction to Government: Foreign 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a "C" grade or better.
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
The political systems of selected nations such as Great Britain, France, Germany, Russia, Japan, Mexico, Peoples' Republic of China, India, South Africa, and Cuba are analyzed. The course will also compare the formation of language, culture, religion, political institutions, the role of political culture, political parties, and public policy. (C-ID POLS 130)

POLS 303 Contemporary Politics of Africa 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better.
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better.
General Education: AA/AS Area V(a); CSU Area D8; CSU Area F3; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 300 with a grade of "C" or better.
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID POLS 140)

POLS 312 Politics of the Middle East 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D8; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course covers the government and politics of selected nations within the 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 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 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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better.
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better.
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID POLS 120)

POLS 322 Political Ideologies 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better.
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better.
General Education: AA/AS Area V(b); CSU Area D4; CSU Area D8; IGETC Area 4H
Course Transferable to UC/CSU
Hours: 54 hours LEC
In this course, students will be provided a critical analysis of contemporary women's issues in American politics, with particular emphasis on current problems facing women political figures. Students will identify early American women's movements. Students will analyze the role and impact of political groups, cultural attitudes and traditions, and self-perceptions affecting women's political rights in America. Students will understand the struggle between women and public policy concerning employment, educational, familial, and reproductive issues. Students will critique current studies of women in American politics, including political ambition, familial issues, and gender gap and determine future goals of women's rights movements and women political figures in America.

POLS 350 Environmental Politics 3 Units

Prerequisite: None.
Advisory: ENGWR 300; with a grade of "C" of better.
General Education: AA/AS Area V(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H
Enrollment Limitation: Eligibility for admission to the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID POLS 140)

POLS 481 Introduction to Government: United States – Honors 3 Units

Prerequisite: None.
General Education: AA/AS Area V(a); CSU Area D8; CSU Area F2; CSU Area F3; IGETC Area 4H
Enrollment Limitation: Eligibility for admission to the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
In this course students will examine principles and problems of government, the political process, and democracy as practiced in the United States. The class is conducted in a seminar format and requires a higher level of student academic engagement of 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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 72 hours LEC
Content will differ each time course is offered. The objective is to focus content on issues of local, national, or international significance at the time of offering course. (Credit for HIST 494 or POLS 494, but not both.) This course can be taken four times for credit up to 16 units provided 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.

POLS 495 Independent Studies in Political Science 1-3 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LAB
See Independent Studies. 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 1-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 18 hours LEC; 300 hours LAB
This course consists of a supervised internship and study in political, governmental, or related organizations. This course may be taken four times for credit up to 16 units provided there is no duplication of topics.

POLS 499 Experimental Offering in Political Science .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Sacramento City College strongly advises prospective students, who are preparing to study a professional major, to consult with a counselor.

Law

"Pre-law" is not a major but rather a term that describes a student interested in applying for admission to a law school. There are no specific major or specific courses for pre-law students. A student's overall GPA is important when applying for admission to a law school; therefore, a pre-law student should consider a major that he/she enjoys and can successfully complete. It is advisable to consider a major that can be used as an alternative to law school or can be used in coordination with the law degree.

As a pre-law student, you should plan a course of study that will give you a broad cultural background, develop the ability to think critically, gain an understanding of people and institutions, and know how to gather and weigh facts to solve problems and think creatively. They should be able to read rapidly with comprehension, express themselves clearly, completely, and concisely, both orally and in writing. Suggested curriculum should include: English, history, philosophy, mathematics and logic, science, economics, government, psychology, accounting, and communication.

Most law schools require students to have a bachelor's degree, demonstrate academic ability as evidenced by the Law School Admission Test (LSAT) scores, and a competitive grade point average. Admission to the University of California Schools of Law, Berkeley, Davis, Hastings, and San Francisco requires a Bachelor's degree. Admission to McGeorge School of Law, Sacramento requires completion of approximately three-fourths of a four-year program, usually 90 semester units. Students should meet with a counselor to plan a course of study.

Pharmacy

Pharmacy education requires a minimum of six years of college.

Admissions Requirements:

Education varies: minimum 60 units, a bachelor's degree preferred from an accredited institution

Required Courses:

BIOL 402, 422
CHEM 400, 401; 425, 426 or 420, 421
MATH 350, 351 or 400, 401
PHYS 410, 420

Health Science Education
Dentistry, Medicine, Optometry, Veterinary Medicine

Students planning to attend a dental, medical, optometry, or veterinary school can achieve an undergraduate degree in any major. However, it is highly recommended that students select majors or coursework related to dentistry, medicine, optometry, or veterinary medicine to meet admission requirements and to be better prepared for the profession.

In addition to a competitive grade point average, professional schools base their selection on motivation, extracurricular activities, work experience related to the health sciences, test scores, application, personal statement, letters of recommendation, and interview.

Dentistry

Dental education requires a minimum of seven years of college.

Admissions Requirements:

Dental Admission Test (DAT)

Education varies: 90-96 semester units completed from an accredited college, baccalaureate degree preferred;

Required courses:

BIOL 402, 422, 430, and 431
CHEM 400, 401; 425, 426 or 420, 421
PHYS 350, 360

Medicine

Medical education requires a minimum of eight years of college and residency.

Admission Requirements:

Medical College Admission Test (MCAT)

Education varies: at least 90 semester hours /120-140 quarter hours or bachelor's degree from an accredited institution

Required Courses:

BIOL 402, 422
CHEM 400, 401, and 425, 426 or 420, 421
MATH 350, 351 or 400, 401
PHYS 350, 360

Optometry

Optometry education requires a minimum of seven years of college.

Admissions Requirements:

Optometry Admission Test (OAT)

California schools require a bachelor's degree from an accredited institution

Required Courses:

BIOL 402, 422, 440
CHEM 400; 425, 426 or 420, 421
MATH 350, 351 or 400, 401
PHYS 350, 360
PSYC 300 or 480
STAT 300 or 480

Teacher Education

There are two types of credentials for teaching in the public schools of California, each permitting instruction in grades K-12. One type is the Multiple Subject Credential for teachers in a self-contained classroom, in general required for most elementary school teachers (grades K-6). The other is the Single Subject Credential for teachers responsible for only one subject, in general for most junior and senior high school teachers (grades 7-12).

For a Multiple Subject Credential, students must satisfy the following: (1) Bachelor's or higher degree, (2) an approved professional preparation program including successful student teaching with a minimum grade of C, (3) CBEST test, (4) teaching of reading, (5) Reading Instruction Competency Assessment (RICA), (6) U.S. Constitution, and (7) subject-matter competency (program or exam).

For a Single Subject Credential students must satisfy the following: (1) Bachelor's or higher degree, (2) an approved professional preparation program including student teaching, (3) CBEST test, (4) teaching of reading, (5) U.S. Constitution, and (6) subject-matter competence (program or exam). The Commission-approved subject matter programs are: Agriculture, Art, Business, English, Health Science, Home Economics, Industrial and Technology Education, Foreign Languages, Mathematics, Music, Physical Education, Science (Biological Sciences, Chemistry, Geosciences, Physics), and Social Science. Subject matter programs vary at each four-year institution.

Sacramento City College strongly encourages students to meet with a counselor to obtain appropriate requirements for the four-year institution of their choice.

Social Welfare

Students who desire to work in social welfare must first complete a baccalaureate degree and then a master's degree in Social Work/ Welfare (MSW). The MSW is required to work in such fields as family counseling, medial and psychiatric social work, or child welfare services. The MSW can also prepare students for licensure as a Licensed Clinical Social Worker (LCSW).

There is no specific lower-division preparation in this field, but suggested courses include: social sciences, anthropology, psychology, sociology, economics, and possibly a foreign language and/or completing a lower-division general education pattern.

Veterinary Medicine

Veterinary medicine education requires a minimum of seven years of college.

Admissions Requirements:

Graduate Record Examination (GRE)
Education: Bachelor's Degree from an accredited Institution
Required Major Preparation:
BIOL 402 and 422; 430 and 431; 440
CHEM 400 and 401; 420 and 421; or 425 and 426
PHYS 350 and 360
ENGWR 300 or 480; 301, and 302 or 482
COMM 301
STAT 300 or 480
Humanities and Social Science (minimum of 9 semester units)

Psychology PSYC

Degrees:
A.A. – Psychology
AA-T – Psychology for Transfer

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Psychology

Associate in Arts Degree

Program Information
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 "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.

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.
- integrate content knowledge, cognitive skills, and technical proficiency in completing exams, term papers, presentations, and other class assignments. These cognitive skills include: learning, memory, logical thinking, problem-solving, decision-making, and critical thinking.
- evaluate psychological data, 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 his or her life.

Required Program	**Units**
PSYC 300 General Principles (3)	3
or PSYC 480 Honors General Principles (3)	
PSYC 310 Biological Psychology	3
PSYC 320 Social Psychology	3
PSYC 335 Research Methods in Psychology	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
PSYC 314 Animal Behavior and Cognition (3)	
PSYC 315 Psychopharmacology (3)	
PSYC 316 Cognitive Psychology (3)	
PSYC 340 Abnormal Behavior (3)	
PSYC 352 Psychology of Peace and Conflict (3)	
PSYC 355 Love and Intimacy (2)	
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 370 Human Development: A Life Span (3)	
or FCS 324 Human Development: A Life Span (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)	
PSYC 392 Loss and Grief (2)	
PSYC 405 Substance Abuse: Effects on Body and Behavior (3)	
or ADMJ 303 Substance Abuse: Effects on Body and Behavior (3)	
PSYC 410 Psychology of Creativity, Intuition and Problem Solving (3)	
PSYC 412 The Heroic Journey (2)	
Total Units Required	**19**

Associate in Arts Degree (A.A.)
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

Psychology

Associate in Arts for Transfer

Program Information
This program is designed to provide a clearly articulated curricular track for Sacramento City College students preparing to transfer in Psychology 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 entry into a variety of paraprofessional careers and careers in related fields.

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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

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.
- integrate content knowledge, cognitive skills, and technical proficiency in completing exams, term papers, presentations and other class assignments. These cognitive skills include: learning, memory, logical thinking, problem-solving, decision-making, and critical thinking.
- evaluate psychological data, 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.

Required Program	**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)	4
or STAT 480 Introduction to Probability and Statistics – Honors (4)	
A minimum of 3 units from the following:	3
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[1]
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)	
PSYC 405 Substance Abuse: Effects on Body and Behavior (3)	
or ADMJ 303 Substance Abuse: Effects on Body and Behavior (3)	
PSYC 410 Psychology of Creativity, Intuition and Problem Solving (3)	
Total Required Units	**19**

[1]Students can also select one of the following courses if not already used: PSYC 316, PSYC 320, PSYC 370, or FCS 324.

Associate in Arts for Transfer Degree
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.

Psychology (PSYC)

PSYC 300 General Principles 3 Units

Prerequisite: None.
Advisory: ENGRD 110, ENGWR 101, and/or LIBR 318 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area V(b); CSU Area D9; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PSY 110)

PSYC 310 Biological Psychology 3 Units

Prerequisite: PSYC 300 with a grade of "C" or better
Advisory: Completion of ENGRD 310 with a grade of "C" or better.
General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LEC
The primary focus of this course is on the vertebrate nervous system and how it functions to produce and affect behavior. This course provides an in-depth examination of the structure of the brain and nervous system, neural development, neural communication, interactions between the nervous and endocrine systems, and functional specializations within both systems. To supplement the study of the anatomy of the nervous system, students will utilize additional materials to identify major divisions and structures of the nervous system. Relationships between neural function and sensation, perception, movement, the biorhythms of wakefulness and sleep, homeostasis, motivation, emotion, reproduction, learning, memory, language, cognition, and consciousness are examined. The neural bases of addiction, mood disorders, and schizophrenia are also addressed (C-ID PSY 150)

PSYC 311 Biological Psychology Laboratory 1 Unit

Prerequisite: PSYC 310 with grade of "C" or better or concurrent enrollment in PSYC 310.
General Education: CSU Area B3; IGETC Area 5B
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 and physiology of the neuron; physiology of nerves and nerve conduction; anatomy and physiology of sensory systems; and psychophysical examination of sensorimotor processes and states of consciousness. Brain dissection procedures, interactive computer simulations, and lab experiments including EEG and EMG data collection will be utilized.

PSYC 314 Animal Behavior 3 Units

Prerequisite: None.
Advisory: ANTH 300, BIOL 100, or PSYC 300 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area D9
Course Transferable to CSU
Hours: 54 hours LEC
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. 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.

PSYC 315 Psychopharmacology 3 Units

Prerequisite: None.
Advisory: BIOL 100, PSYC 300, and PSYC 310 with grades of "C" or better.
General Education: AA/AS Area IV
Course Transferable to CSU
Hours: 54 hours LEC
In this course students will explore the native biochemistry of the mammalian brain and the effects of internal and external chemical influences. Historical and contemporary perspectives on the biochemical modification of cognition and behavior will be examined. Core areas of study will include the basic principles of pharmacodynamics, chemical signaling, and neurobehavioral pharmacology. These principles will be applied to understand the psychopharmacology of various aspects of cognition and behavior, psychological disorders and their treatment, recreational drug use, drug abuse and addiction, learning and memory, and brain disease.

PSYC 316 Cognitive Psychology 3 Units

Prerequisite: PSYC 300 with a grade of "C" or better
Advisory: BIOL 100 with a grade of "C" or better
General Education: AA/AS Area IV; CSU Area D9; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
The course will present an historical retrospective into the development of the philosophy of science, the scientific method, and early psychology, and on early perspectives on learning, memory, and the structure of mind. The course will explore contemporary areas of neuroscience, sensation, perception, learning, short-term and long-term memory, linguistics, cognitive development, problem solving, judgment, and creativity. Current controversies related to the proposed structure of thought in both humans and nonhumans will be addressed. Upon completion of this course, students will possess an improved appreciation for the complexity of the brains of humans and nonhumans and the emergent properties of cognition and consciousness.

PSYC 320 Social Psychology 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ENGRD 310 with a grade of "C" or better
General Education: AA/AS Area V(b); CSU Area D9; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course provides students with an initial 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, and altruism. (C-ID PSY 170)

PSYC 335 Research Methods in Psychology 3 Units

Prerequisite: PSYC 300 and STAT 300 with grades of "C" or better; or PSYC 300 with a grade of "C" or better and concurrent enrollment in STAT 300.
Advisory: ENGWR 101 and LIBR 318 with grades of "C" or better
General Education: AA/AS Area II(b); CSU Area D9; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course introduces students to the methods and ethics of doing research in the behavioral sciences, specifically psychology, from theoretical and practical perspectives. The course covers design and implementation issues of both experimental and non-experimental research, descriptive and inferential statistical analysis, hypothesis testing, and the use of APA writing style. The laboratory projects provide opportunities to research various behavioral science topics and experience "hands-on" data collection, data analysis, results interpretation, and report writing. (C-ID PSY 200)

PSYC 340 Abnormal Behavior 3 Units

Prerequisite: PSYC 300 with a grade of "C" or better
Advisory: ENGRD 110 and/or ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area V(b); CSU Area D9; CSU Area E1; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PSY 120)

PSYC 352 Psychology of Peace and Conflict 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 51 with grades of "C" or better or ESLW 310 and ESLR 310 with grades of "C" or better
General Education: AA/AS Area V(b); CSU Area D9; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGRD 310 or ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PSY 130)

PSYC 358 Principles of Interpersonal Relations 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area E1
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGRD 310 or ENGWR 101 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area V(B); CSU Area D4; CSU Area D9; CSU Area E1; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 320 with grades of "C" or better, or placement through the assessment process.
General Education: AA/AS Area V(b); CSU Area D4; CSU Area D7; IGETC Area 4D; IGETC Area 4G; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ENGRD 310 with a grade of "C" or better or placement through the assessment process."
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; CSU Area D9; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 **3 Units**

Same As: FCS 324
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340; and ESL 114 with grades of "C" or better.
General Education: AA/AS Area V(b); CSU Area D9; CSU Area E1; IGETC Area 4G; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PSY 180)

PSYC 374 Psychology of Aging: Adult Development and Aging **3 Units**

Same As: GERON 302
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
General Education: AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area ; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 for both.

PSYC 390 Psychology of Death and Dying **3 Units**

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 51 with grades of "C" or better
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PSY 130)

PSYC 392 Loss and Grief **2 Units**

Prerequisite: None.
General Education: AA/AS Area III(b); CSU Area D9; CSU Area E1
Course Transferable to CSU
Hours: 36 hours LEC
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 **3 Units**

Same As: ADMJ 303
Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better
General Education: AA/AS Area III(b)
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is designed for anyone who is interested in the effect illegal drugs, prescription drugs, over the counter drugs, vitamins, health foods, and coffee and nicotine have on people, physically, emotionally, mentally, and financially. 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 **3 Units**

Prerequisite: None.
Advisory: ENGRD 110, ENGWR 51, and PSYC 300 with grades of "C" or better, or placement through the assessment process.
General Education: AA/AS Area III(b); CSU Area E1
Course Transferable to CSU
Hours: 54 hours LEC
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 **2 Units**

Prerequisite: None.
Advisory: ENGRD 110 or ENGWR 51 with grades of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC
Using ideas from LaoTzu, 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 3 Units

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.
General Education: AA/AS Area III(b); CSU Area D9; IGETC Area 4I
Enrollment Limitation: Eligibility for the Honors Program.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID PSY 110)

PSYC 489 Topics in Psychology – Honors .5-4 Units

Prerequisite: ENGWR 101 with a grade of "C" or better; or placement through the assessment process.
Enrollment Limitation: Eligibility for the Honors program.
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course is structured around the concepts of critical thinking, which will then be employed to guide our understanding of contemporary issues in the field. Issues with resonance for contemporary psychologists will be introduced by the students to serve as a focal point for discussion. The course will address issues from a range of perspectives, including biological, sociocultural, and psychodynamic. This honors course uses an intensive instructional methodology designed to challenge motivated students. 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 494 Topics in Psychology .5-4 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course is designed to examine current issues or specific topics concerning psychology. Particular subjects to be covered each semester will be determined by the psychology staff. 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 495 Independent Studies in Psychology 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Railroad Operations RAILR

Degree:
A.S. – Railroad Operations
Certificate of Achievement:
Railroad Operations

Division of Advanced Technology
Donnetta Webb, Dean
Technology 106
916-558-2491

Railroad Operations

Associate of Science Degree
Certificate of Achievement

Program Information
This program is designed for students pursuing a career as a Railroad Conductor, Engineer, or Manager of Train Operations.

Career Opportunities
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 a 19-unit, six-course program. The curriculum is approved by the Railroad Education and Training Education. 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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051351C01

Recommended High School Preparation
English, mathematics, physics, electronics, mechanics, and computers.

Enrollment Limitations
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.
- 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.

Required Program	**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 Required	**19**

Associate in Science (A.S.) Degree
The Railroad Operations Associate in Science 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.

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of all courses in the required program with grades of "C" or better.

Railroad Operations (RAILR)

RAILR 100 History of Railroading 3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 4 Units

Prerequisite: RAILR 120 and 122 with grades of "C" or better
Hours: 72 hours LEC
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 3 Units

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.
Hours: 48 hours LEC; 24 hours LAB
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 3.5 Units

Prerequisite: None.
Advisory: RAILR 120 and RAILR 122 with grades of "C" or better.
Hours: 54 hours LEC; 27 hours LAB
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 .5-4 Units

Prerequisite: None.
Hours: 72 hours LEC; 162 hours LAB
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 1-3 Units

Prerequisite: None
Hours: 54 hours LEC

RAILR 297 Internship in Railroad Operations 1-3 Units

Prerequisite: RAILR 142 with a grade of "C" or better.
Hours: 54 hours LEC; 54 hours LAB
Enrollment Limitations: Students are required to wear steel toe boots with defined heels, leather gloves, loose fitting jeans or coveralls, and head covers. The students must pass a Federal Railroad Administration Drug test prior to the first class and a Department of Transportation Physical requiring a Class I (one) back as defined by the American Medical Association as well as perfect color vision. Vision must be corrected to 20/20. Student must demonstrate strength in a doctor supervised setting including grip and muscle tone as to Class I specifications and general physical fitness that verifies a student's ability to lift 75 pounds.*This course provides on the job site use and application of railroad rules, timetables, general orders, track bulletins, and track warrants. The students will apply these in a working railroad setting, making up trains, and switching boxcars from switch lists and work orders. Students are required to show proof of passing the Railroad rules exam or successfully passing the exam within the first sixteen hours of scheduled course time as required by the Federal Railroad Administration. Students not qualified in the rules will not be allowed to continue in the class. Students will be required to make up trains, couple and uncouple cars and locomotives, troubleshoot air brake systems, get on and off moving equipment up to 20 miles per hour, remove and apply knuckles of cars (knuckles weigh 75 pounds) and throw switches. This course will require the student to get on and off a train moving up to 20 miles per hour.

RAILR 299 Experimental Offering in Railroad Operations .5-4 Units

Prerequisite: None
Hours: 54 hours LEC; 108 hours LAB
See Experimental Offerings

Division of Kinesiology, Health, and Athletics
Mitchell Campbell, Dean/Athletic Director
Hughes Stadium, Section 1B
916-558-2425

Recreation (RECR)

RECR 300 Introduction to Recreation and Leisure Services 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
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.

RECR 310 Outdoor Recreation 3 Units

Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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, trend, 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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 54 hours LAB
This is an experimental course offering designed to provide students with courses not normally offered in the Recreation area. Course topics will be structured around new and emerging issues related to the field of Recreation. This course may be taken four times for a maximum of 16 units.

Sign Language Studies SILA

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

Sign Language Studies (SILA)

SILA 305 American Sign Language 1 4 Units
Prerequisite: None.
General Education: CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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.

SILA 306 American Sign Language 2 4 Units
Prerequisite: SILA 305 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
This is the second in a series of four courses in American Sign Language. The emphasis is on nonverbal communication. Topics presented include grammatical features such as adjective descriptors, differentiation between cardinal/ordinal numbers, contrastive structure, temporal aspect markers, and temporal sequencing.

SILA 315 American Sign Language 3 4 Units
Prerequisite: SILA 306 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 course. It also includes dialogs that involve asking, empathizing, negotiating, and agreeing or disagreeing.

SILA 316 American Sign Language 4 4 Units
Prerequisite: SILA 315 with a grade of "C" or better
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6
Course Transferable to UC/CSU
Hours: 72 hours LEC
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.

SILA 330 Introduction to Deaf Culture 3 Units
Prerequisite: None.
General Education: AA/AS Area I; CSU Area D7; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 of 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.

SILA 331 Deafhood Seminar 1 3 Units
Prerequisite: Involvement in the Deaf community with an in-depth understanding of the deaf cultures and issues within the Deaf community, fluency in American Sign Language (ASL), and strong receptive skills in ASL without ASL Interpreters
General Education: AA/AS Area I
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 of Sacramento 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.

SILA 332 Educating Deaf People 3 Units
Prerequisite: None.
Course Transferable to CSU
Hours: 54 hours LEC
This is a survey course of topics related to educating deaf children, adults, and multi-handicapped individuals. It also covers teaching methods and philosophies, school placement issues, child development, and methods of addressing developmental and linguistic stages. Selected visits to a deaf school in Fremont, a local mainstreaming/deaf program school, may be required.

SILA 334 Sign Language for Educators 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
This course provides techniques for educators to use in facilitating communication with deaf and hard of hearing children. Topics to be discussed include but are not limited to: education options for deaf and hard of hearing children; introduction to American Sign Language and fingerspelling; appropriate uses of ASL and fingerspelling in the classroom; history of teaching methods and philosophies for teaching deaf and hard of hearing children; legal and cultural aspects of deaf education; community resources for the deaf; the role of educational interpreters.

SILA 336 Sign Language for Health Care Personnel and Health Care Students 1 Unit

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC
This course will provide techniques for Health Care Personnel and Health Care Students to facilitate communication with the Deaf Person. Topics to be discussed include but are not limited to: 1) Communication; 2) Introduction to American Sign Language and Fingerspelling; 3) History of Deaf and Deafhood versus deafness 4) Legal and Cultural Aspects of Deaf; 5) Community Resources.

SILA 495 Independent Studies in Sign Language Studies 1-3 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LAB
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 sign language offers students an opportunity for 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.

SILA 499 Experimental Offering in Sign Language Studies .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Social Sciences SOCSC

Degree:
A.A. – Social Sciences

Division of Behavioral and Social Sciences
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Social Sciences

Associate in Arts Degree

Program Information
The Social Science program is designed to give students the opportunity to explore a variety of disciplines. The flexibility of this program allows students to pursue their own unique intellectual interests and to cultivate analytical skills appropriate for a broad range of academic fields and professional occupations.
Only certain courses in the SCC Social Science major may apply toward the Social Science major at other four-year institutions, including California State University, Sacramento. For students intending to transfer to a specific college or university, consult the appropriate sections of that institution's catalog for admissions, general education, and major requirements. Consultation with a Sacramento City College Counselor is advised.

Upon completion of this program, the student will be able to:
- research and analyze topics from interdisciplinary perspectives.
- apply effective critical thinking skills.
- evaluate data, draw reasonable conclusions, and apply these conclusions to personal, social and political problems.
- recognize the various ways in which distinctions based on race, gender, class, creed, ethnicity, and sexual orientation operate within human communities.

Required Program	**Units**
A minimum of 18 units from the following.....	18

Choose courses from at least three of the disciplines listed below:
1. Anthropology: ANTH 300, ANTH 310, ANTH 315, ANTH 317, ANTH 320, ANTH 331, ANTH 332, ANTH 334, ANTH 341, ANTH 480, ANTH 481
2. Economics: ECON 100, ECON 302, ECON 304, ECON 310, ECON 330
3. Geography: GEOG 300, GEOG 302, GEOG 305, GEOG 306, GEOG 308, GEOG 310, GEOG 320, GEOG 322, GEOG 330, GEOG 334, GEOG 480
4. History: HIST 300, HIST 302, HIST 307, HIST 308, HIST 309, HIST 310, HIST 311, HIST 314, HIST 320, HIST 321, HIST 344, HIST 360, HIST 364, HIST 365, HIST 373, HIST 380, HIST 483, HIST 484, HIST 485
5. Political Science: POLS 301, POLS 302, POLS 304, POLS 310, POLS 312, POLS 313, POLS 320, POLS 322, POLS 340, POLS 480, POLS 481
6. Psychology: PSYC 300, PSYC 310, PSYC 314, PSYC 315, PSYC 316, PSYC 320, PSYC 335, PSYC 340, PSYC 352, PSYC 353, PSYC 355, PSYC 356, PSYC 358, PSYC 360, PSYC 363, PSYC 364, PSYC 367, PSYC 370 (FCS 324), PSYC 374 (GERON 302), PSYC 376, PSYC 390, PSYC 392, PSYC 405 (ADMJ 303), PSYC 410, PSYC 412, PSYC 480
7. Social Science: SOCSC 300, SOCSC 320, SOCSC 325, SOCSC 330, SOCSC 332, SOCSC 335, SOCSC 336, SOCSC 350, SOCSC 352 (SOC 345)
8. Sociology: SOC 300, SOC 301, SOC 305, SOC 310 (FCS 320), SOC 312 (ECE 314), SOC 321, SOC 335 (GERON 300), SOC 341 (FCS 326), SOC 343, SOC 344, SOC 345 (SOCSC 352), SOC 350, SOC 375, SOC 380, SOC 382, SOC 480

Total Units Required	**18**

Associate in Arts (A.A.) Degree
The Associate in Arts Degree may be obtained by completion of the required program, plus the general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

Social Sciences (SOCSC)

SOCSC 300 Introduction to Ethnic Studies 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; IGETC Area 4C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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, Black 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.

SOCSC 320 Socio-Cultural, Economic and Political Experience of the African-American 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with grade of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; IGETC Area 4C
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is an inter-disciplinary overview of the sociocultural, economic, historic, 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.

SOCSC 325 Asian Experience in America 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; IGETC Area 4C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

SOCSC 330 Mexican-Americans in the United States 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; IGETC Area 4C
Course Transferable to UC/CSU
Hours: 54 hours LEC
This is an interdisciplinary introductory survey course in which students will examine the history, culture, and contemporary issues of Mexican Americans in the United States. Topics of emphasis include Mexican American history, culture, racial and ethnic paradigms, the question of borders, identity politics and other matters such as education, health, and law that have shaped the experiences of Mexican Americans in the United States. Students will also analyze the roles played by Mexican Americans in the politics, economics, and culture of the United States.

SOCSC 332 The Sociology and Psychology of Mexicans and Latinos in the United States 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a "C" grade or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; IGETC Area 4C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

SOCSC 335 Introduction to Native-American Studies 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW340 with a grade of "C" or better
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; IGETC Area 4C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

SOCSC 336 Native-American Culture and the Impact of Federal Policy 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW340 with a grade of "C" or better
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D3; IGETC Area 4C
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.

SOCSC 350 Introduction to Women's Studies 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D4; IGETC Area 4D
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course provides an interdisciplinary introduction to Women's Studies through the exploration and examination of historical, philosophical, sociological, psychological, and literary perspectives as they pertain to women. Emphasis will be placed on what it means to grow up female in different racial contexts, with particular emphasis on the effects of culture and ethnicity. Each student writes a minimum of 3,000 words.

SOCSC 352 Global Women's Issues 3 Units

Same As: SOC 345
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better OR ESLW 340 and ESLR 340 with grades of "C" or better.
General Education: AA/AS Area V(b); CSU Area D4; CSU Area D7; IGETC Area 4D; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
In this course, students will explore issues relevant to women in different parts of the world. The course will cover global issues (e.g. globalization, poverty, war), women's issues (e.g. discrimination, health, violence), and the intersection of the two. Students will learn how to locate these issues in the context of the global women's movement and in various societies around the world. In addition, students will explore how women's oppression and empowerment take on different forms in different countries and communities. Credit will be awarded for SOCSC 352 or SOC 345, but not both.

SOCSC 493 Topics in International Studies .5-4 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better or ESLR 320 and ESLW 320 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course provides a seminar setting in which students can study and discuss issues in international studies (regional and global issues) with faculty from a variety of disciplines. Specific regions (e.g., Latin America, Africa, Asia, the Middle East, 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.

SOCSC 495 Independent Studies in Social Science 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LAB
This is an independent studies course. The topics are to be arranged between the instructor and the student. 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 admissions.

SOCSC 499 Experimental Offering in Social Science .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Sociology SOC

Degree:
A.A. – Sociology
AA-T – Sociology for Transfer

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Sociology

Associate in Arts Degree

The Sociology major is designed to prepare students for further study in Sociology leading to the BA, MA, MSW, and/or PhD degrees. 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 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. Sociology majors are encouraged to participate in community activities and community service internships, and often attend relevant guest lectures and public events.

Career Opportunities

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.

Upon completion of this program, the student will be able to:

- articulate the sociological perspective to human behavior.
- compare and contrast the major theoretical orientations in sociology.
- analyze and assess the role of theory and social research methods in sociology.
- evaluate data, draw reasonable conclusions, and apply these conclusions to personal, community, and societal-level issues.
- explain how the science of sociology produces knowledge about society, social interaction, and human behavior.
- integrate content knowledge and cognitive skills, i.e., logical thinking, problem-solving, and critical reasoning, when completing exams, term papers, and additional class assignments.
- apply sociological principles that contribute to the foundation for life-long personal growth and development of effective interpersonal and social skills.
- apply sociological principles to education, employment, and everyday life.

Required Program	**Units**
SOC 300 Introductory Sociology (3)	3
or SOC 480 Introductory Sociology – Honors (3)	
SOC 321 Race, Ethnicity and Inequality in the United States	3
SOC 301 Social Problems	3
A minimum of 3 units from the following:	3
SOC 305 Critical Thinking in the Social Sciences (3)	
SOC 310 Marriage and the Family (3)	
or FCS 320 Marriage and the Family (3)	
SOC 345 Global Women's Issues (3)	
or SOCSC 352 Global Women's Issues (3)	
SOC 344 Sociology of Women's Health (3)	
SOC 343 Women and Social Action (3)	
FCS 326 Sex and Gender in the U.S. (3)	
or SOC 341 Sex and Gender in the U.S. (3)	
GERON 300 Sociology of Aging (3)	
or SOC 335 Sociology of Aging (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 9 units from the following:	9
ANTH 310 Cultural Anthropology (3)	
or ANTH 481 Honors Cultural Anthropology (3)	
GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes (3)	
HIST 300 History of Western Civilization (3)	
HIST 302 History of Western Civilization (3)	
HIST 310 History of the United States (3)	
or HIST 483 History of the United States – Honors (3)	
HIST 311 History of the United States (3)	
or HIST 484 History of the United States – Honors (3)	
HIST 320 History of the United States: African-American Emphasis (3)	
HIST 321 History of the United States: African-American Emphasis (3)	
PHIL 310 Introduction to Ethics (3)	
PSYC 300 General Principles (3)	
or PSYC 480 Honors General Principles (3)	
PSYC 356 Human Sexuality (3)	
Total Units Required	**21**

Associate in Arts (A.A.) Degree

The Associate in Arts 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.

Transfer Information

In addition to the course requirements, transfer students should complete the general education requirements for the university to which they plan to transfer. Students can also use the Sacramento City College General Education pattern to obtain the degree; however, these courses do not necessarily fulfill the general education requirements of transfer institutions. Students should see a counselor regarding academic planning.

Associate Degree for Transfer
A Degree with a Guarantee.

Sociology

Associate in Arts for Transfer

Program Information
The sociology major is designed to prepare students for further study in sociology leading to the BA, MA, MSW, and/or Ph.D. degrees. The transfer degree program provides students the opportunity to complete the lower-division coursework required for four-year programs in sociology. 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.

To earn an associate transfer degree, students must complete the following requirements:

(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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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. Students must earn a "C" or better in all courses required for the major or area of emphasis.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

Career Opportunities
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.

Upon completion of this program, the student will be able to:
- apply the sociological perspective on human behavior.
- compare and contrast the major theoretical orientations in sociology.
- analyze the role of theory and social research methods in sociology.
- evaluate data, draw reasonable conclusions, and apply these conclusions to personal, community, and societal-level problems.
- integrate content knowledge and cognitive skills, i.e. logical thinking, problem-solving, and critical reasoning, when completing exams, term papers, and additional class assignments.
- apply sociological principles that contribute to the foundation for life-long personal growth and development of effective interpersonal and social skills.
- apply sociological principles to social institutions such as education, employment, medicine and religion.

Required Program	**Units**
SOC 300 Introductory Sociology (3)	3
or SOC 480 Introductory Sociology – Honors (3)	
SOC 301 Social Problems	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 321 Race, Ethnicity and Inequality in the United States (3)	
FCS 320 Marriage and the Family (3)	
or SOC 310 Marriage and the Family (3)	
FCS 326 Sex and Gender in the U.S. (3)	
or SOC 341 Sex and Gender in the U.S. (3)	
A minimum of 3 units from the following:	3
SOC 305 Critical Thinking in the Social Sciences (3)	
SOC 321 Race, Ethnicity and Inequality in the United States (3)	
SOC 335 Sociology of Aging (3)	
or GERON 300 Sociology of Aging (3)	
FCS 326 Sex and Gender in the U.S. (3)	
or 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 SOCSC 352 Global Women's Issues (3)	
Total Required Units	**19**

Associate in Arts for Transfer Degree
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.

Sociology (SOC)

SOC 99 Workplace Success: A Sociological Map to Succeeding in the Workplace — 3 Units

Prerequisite: None.
Hours: 54 hours LEC
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 course designed for students in need of strategies to help them attain success in the workplace.

SOC 300 Introductory Sociology — 3 Units

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.
General Education: AA/AS Area V(b); CSU Area D0; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID SOCI 110)

SOC 301 Social Problems 3 Units

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.
General Education: AA/AS Area V(b); CSU Area D0; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course examines current social problems at the global, national, regional, and local level from a sociological perspective. (C-ID SOCI 115)

SOC 302 Introduction to Social Research Methods 3 Units

Prerequisite: SOC 300 with a grade of "C" or better
Advisory: ENGWR 300 (College Composition) or ESLW 340 and STAT 300 with grades of "C" or better
General Education: AA/AS Area II(b); CSU Area D0; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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. (C-ID SOCI 120)

SOC 305 Critical Thinking in the Social Sciences 3 Units

Prerequisite: ENGWR 300 with a grade of "C" or better, or the equivalent
General Education: AA/AS Area V(b); AA/AS Area II(b); CSU Area A3; IGETC Area 1B
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 framework utilizing literary criticism, logic, argumentation, and persuasion to analyze and compare the content 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 3 Units

Same As: FCS 320
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.
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D7; CSU Area E1; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
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.) (C-ID SOCI 130)

SOC 312 The Child, the Family and the Community 3 Units

Same As: ECE 314
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 340 and ESLW 340 and ESL 114; or ECE 312; and LIBR 318 with grades of "C" or better
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D0; CSU Area D7; CSU Area E1; IGETC Area 4G; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. Influences on growth and development including media, social class, gender, sexual orientation, racial/ethnic groups, and their relationship to family behavior will be studied. Students will identify and evaluate personal family dynamics and consequences. Students may receive credit for ECE 314 or SOC 312, but not both.

SOC 318 Introduction to Crime, Deviance, and Social Control 3 Units

Same As: ADMJ 349
Prerequisite: None.
Advisory: Completion of 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
General Education: AA/AS Area V(b)
Course Transferable to CSU
Hours: 54 hours LEC
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 321 Race, Ethnicity and Inequality in the United States 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 or ESLW 340 and ESLR 340 with a C or better.
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D0; CSU Area D3; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. (C-ID SOCI 150)

SOC 335 Sociology of Aging 3 Units

Same As: FCS 330 and GERON 300
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.
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D0; CSU Area E1; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
In this course students will examine the aging process with emphasis on social factors affecting and affected 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 FCS 330 or GERON 300 or SOC 335.)

SOC 341 Sex and Gender in the U.S. 3 Units

Same As: FCS 326
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.
General Education: AA/AS Area V(b); CSU Area D0; CSU Area D4; CSU Area E1; IGETC Area 4D; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course focuses on gender relations in American society. It examines historical, social, economic, political, and cultural forces in shaping gender identity, gender roles, and gender expectations. 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. (Credit for FCS 326 or SOC 341.) (C-ID SOCI 140)

SOC 343 Women and Social Action 3 Units

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.
General Education: AA/AS Area V(b); CSU Area D0; CSU Area D4; IGETC Area 4D; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

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.
General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D4; CSU Area E1; IGETC Area 4D
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course provides a sociological analysis of health issues that concern women throughout their life course. 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 3 Units

Same As: SOCSC 352
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.
General Education: AA/AS Area V(b); CSU Area D4; CSU Area D7; IGETC Area 4D; IGETC Area 4G
Course Transferable to UC/CSU
Hours: 54 hours LEC
In this course, students will explore issues relevant to women in different parts of the world. The course will cover global issues (e.g. globalization, poverty, war), women's issues (e.g. discrimination, health, violence), and the intersection of the two. Students will learn how to locate these issues in the context of the global women's movement and in various societies around the world. In addition, students will explore how women's oppression and empowerment take on different forms in different countries and communities. Credit will be awarded for SOCSC 352 or SOC 345, but not both.

SOC 350 Sociology of Popular Culture 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b); CSU Area D0; IGETC Area 4J
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.
General Education: CSU Area D0
Course Transferable to CSU
Hours: 54 hours LEC
This course explores the basic principles of community development. Students will analyze models of successful community practice and learn how to create social capital. Case study methods will be used to explore resource mapping, problem assessment, and strategies for funding nonprofit organizations.

SOC 380 Introduction to Social Services 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 or ESLR 340 and ESLW 340 with grades of "C" or better.
General Education: AA/AS Area V(b)
Course Transferable to CSU
Hours: 54 hours LEC
This course will provide 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 will provide a multicultural perspective and the opportunity to practice developing skills of critical analysis.

SOC 382 Introduction to Casework in Social Services 3 Units

Prerequisite: None.
Advisory: Completion of ENGWR 101 and ENGRD 110 or ESLR 340 and ESLW 340 with grades of "C" or better.
General Education: AA/AS Area V(b)
Course Transferable to CSU
Hours: 54 hours LEC
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 1-4 Units

Prerequisite: None.
Advisory: ENGWR 101 with a grade of "C" or better.
General Education: AA/AS Area V(b)
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
Through assignments tied to internship placements, this course will link student work experiences to the structure and processes of organizations. Students will learn techniques to address common problems within organizations and will consider the issues of power, bureaucracy, and communication within wider social systems. Course activities will include completion of Title V Education Code papers (the students' Application, Time-sheet, Letter of Cooperation, Objectives, and Evaluations, which document the student's hours and work spent at the internship site. In addition, the student is 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. This course is offered in both face-to-face and online formats.

SOC 480 Introductory Sociology – Honors 3 Units

Prerequisite: None.
General Education: AA/AS Area V(b); CSU Area D0; IGETC Area 4J
Enrollment Limitation: Eligibility for the Honors Program
Course Transferable to UC/CSU
Hours: 54 hours LEC
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. The class is conducted as a seminar in which students will be responsible for developing qualitative and/or quantitative analyses of controversial issues and drawing on classical and contemporary sociological theory to frame classroom presentations. There will be oral and written assignments, as well as experiential activities. This course is designed for students from all academic disciplines who are motivated to learn the sociological perspective and how it can be applied to all aspects of the human experience. This honors section uses an intensive instructional methodology designed to challenge motivated students. (C-ID SOCI 110)

SOC 481 Social Problems – Honors 3 Units

Prerequisite: None.
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.
General Education: AA/AS Area V(b)
Enrollment Limitation: Eligibility for the Honors Program with a GPA of 3.0 or higher.
Course Transferable to CSU
Hours: 54 hours LEC
This course examines current social problems at the global, national, regional, and local level from a sociological perspective. This honors section uses an intensive seminar style of instructional methodology with extensive research projects on social problems designed to challenge motivated students.

SOC 482 Sociology of Race, Ethnicity, and Inequality – Honors 3 Units

Prerequisite: None.
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.
General Education: AA/AS Area V(b); AA/AS Area VI
Enrollment Limitation: Eligibility for admission to the Honors Program.
Course Transferable to CSU
Hours: 54 hours LEC
This course examines patterns of ethnic relations. 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.

SOC 494 Topics in Sociology .5-4 Units

Prerequisite: None.
Advisory: SOC 300 and ENGRD 310 and ENGWR 101 or ESLR 340 and ESLW 340, with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 108 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC; 75 hours LAB
See Experimental Offering. 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.

Statistics STAT

Division of Mathematics/Statistics & Engineering
Anne E. Licciardi, Dean
South Gym 220
916-558-2202

Statistics (STAT)

STAT 300 Introduction to Probability and Statistics 4 Units

Prerequisite: MATH 120, 121, or 124 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 72 hours LEC
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 4 Units

Prerequisite: MATH 120, 121, or 124 with a grade of "C" or better, or placement through the assessment process.
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Enrollment Limitation: Eligibility for the honors program
Course Transferable to UC/CSU
Hours: 72 hours LEC
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.

STAT 495 Independent Studies in Statistics 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. 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.

Student Leadership and Development
Michael Poindexter, Vice President, Student Services
Rodda Hall North 272
916-558-2141

Student Government (SGVT)

SGVT 300 Introduction to Student Government 2 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 54 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 54 hours LEC; 36 hours LAB
See Experimental Offering

Theatre Arts TA
Theatre Arts Film TAFILM
Theatre Arts Performance TAP

Degrees:
- **A.A. – Acting-Directing Emphasis**
- **A.A. – Film**
- **A.A. – Technical Production Emphasis**
- **AA-T – Theatre Arts for Transfer (approval pending)**

Certificates of Achievement:
- **Film Production**
- **Film Studies**

Division of Humanities and Fine Arts
Chris Iwata, Dean
Performing Arts Center 137
916-558-2551

Theatre Arts
Acting-Directing Emphasis
Associate in Arts Degree

Program Information
This program provides students 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. Transfer students should consult the Requirements of the Transfer Institutions section in this catalog and the Theatre Arts, Drama, or related Majors sections of the specific catalog for the institution to which they wish to transfer to determine admission, general education, and major requirements. Consultation with an SCC counselor is urged.

Career Opportunities
Completion of this Degree could lead to employment in the entertainment industry in both stage production and film production as performer or director.

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.

Required Program	**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) or TA 422 Stage Lighting (3)	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)	
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 Required	**30**

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Theatre Arts
Technical Production Emphasis
Associate in Arts Degree

Program Information
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. Transfer students should consult the Requirements of the Transfer Institutions section in this catalog and the Theatre Arts, Drama, or related Majors sections of the specific catalog for the institution to which they wish to transfer to determine admission, general education, and major requirements. Consultation with an SCC counselor is urged.

Career Opportunities
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.

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, playwrighting, 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.

Required Program	**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)	
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 Required	**30**

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Associate Degree for Transfer
A Degree with a Guarantee.

Theatre Arts

Associate in Arts for Transfer

Program Information
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 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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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.

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.

Required Program	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)	
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 Required	**18**

Associate in Arts for Transfer Degree
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.

Theatre Arts Film

Film

Associate in Arts Degree

Program Information
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.

Career Opportunities
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.

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.

Required Program	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
TAFILM 308 An American Musical: Stage and Film (3)	
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 with Final Cut Pro (3)	
TAFILM 341 Advanced Film Editing with Final Cut Pro (3)	
TAFILM 343 Introduction to Motion Graphics for Film: Apple Motion (3)	
TAFILM 344 Introduction to Digital Effects (3)	
TAFILM 345 Intermediate Digital Effects (3)	
TAFILM 346 Introduction to DVD Production (3)	
TAFILM 347 Color Correcting and Grading for Film (3)	
TAFILM 360 Screenwriting (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)	
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 (1.5)
ENGLT 403 Film Adaptations (3)

Total Units Required **30-33**

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Theatre Arts Film
Film Production

Certificate of Achievement

Program Information
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.

Career Opportunities
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.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051488C01

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.

Required Program **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
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 with Final Cut Pro (3)
TAFILM 341 Advanced Film Editing with Final Cut Pro (3)
TAFILM 343 Introduction to Motion Graphics for Film: Apple Motion (3)
TAFILM 344 Introduction to Digital Effects (3)
TAFILM 345 Intermediate Digital Effects (3)
TAFILM 346 Introduction to DVD Production (3)
TAFILM 347 Color Correcting and Grading for Film (3)
TAFILM 360 Screenwriting (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)
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 (1.5)

Total Units Required **18**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Theatre Arts Film
Film Studies

Certificate of Achievement

Program Information
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.

Career Opportunities
Skills learned in this program could lead to employment in the following fields: Production Management, Director, Assistant Director, Production Researcher, Film Critic, and Acting.

Gainful Employment
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: http://www.losrios.edu/gainful-emp-info/gedt.php?major=051488C02

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.

Required Program **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
TAFILM 307 Diversity in American Film (3)
TAFILM 320 Cinema Genres (3)
TAFILM 308 An American Musical: Stage and Film (3)
TAFILM 309 From Stage to Screen: Production Design and Art Direction (3)
TAFILM 330 Film Making (3)
TAFILM 332 Film Production Workshop I (3)
TAFILM 360 Screenwriting (3)
ENGLT 403 Film Adaptations (3)
MUSM 322 Introduction to Film Music (3)

Total Units Required **15-18**

Certificate of Achievement
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.

Theatre Arts (TA)

TA 300 Introduction to the Theatre 3 Units
Prerequisite: None.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This audience-oriented, 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. (C-ID THTR 111)

TA 302 History and Theory of the Theatre I 3 Units
Prerequisite: None.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is a study of the masterpieces of World 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 on-campus stage productions during the semester. (C-ID THTR 113)

TA 303 History and Theory of the Theatre II 3 Units
Prerequisite: None.
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 on-campus stage productions during the semester.

TA 308 Diversity in American Theatre 3 Units
Prerequisite: None.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 attendance at live play productions, including a required field trip to a play at a professional or community theatre.

TA 342 Introduction to Acting 3 Units
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units
Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units
Prerequisite: TA 350 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 54 hours LEC
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 3 Units
Prerequisite: TA 350 or 351 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: TA 350 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better, or ESLR 320 and ESLW 320 with grades of "C" or better.
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 54 hours LEC
This course is designed to give the student a non-threatening opportunity to explore performance of Shakespeare plays. 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 discuss their contemporary relevance.

TA 370 Theatre Movement 2 Units

Prerequisite: None.
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 51 and ENGRD 110, or ESLW 310 and ESLR 310, with grades of "C" or better, or placement through assessment.
General Education: CSU Area C1
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 407 Children's Theatre .5-3 Units

Prerequisite: None.
Enrollment Limitation: Audition
Course Transferable to CSU
Hours: 162 hours LAB
This course is open to students participating in theatrical productions. Students are selected through auditions as actors or technicians and may earn one-half to three units.

TA 420 Stagecraft 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 72 hours LAB
This course covers the basic materials used in the construction of scenery and properties, as well as construction and painting techniques. Kinds of scenery and backstage organization are explored through a combination of lecture and practical experience gained by working on department productions. (C-ID THTR 171)

TA 422 Stage Lighting 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 72 hours LAB
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. (C-ID THTR 173)

TA 423 Introduction to Scene Design for the Stage 3 Units

Prerequisite: TA 420 with a grade of "C" or better
Course Transferable to UC/CSU
Hours: 36 hours LEC; 72 hours LAB
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 430 Costume Construction 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
This course explores the basic areas of costume construction: fabrics, color, patterns, sewing techniques, costume pieces, and accessories. Period styles, costume analysis, and basic design are also covered. Costume construction will be for theatrical productions. Students gain experience by constructing costumes for theatrical productions.

TA 436 Historic Costuming 3 Units

Same As: FASHN 335
Prerequisite: None.
Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320; FASHN 340, FASHN 150, LIBR 318, and MATH 34 with grades of "C" or better.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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. Dependent upon production needs, course topics will rotate yearly. 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. An alternative activity will be available if a student cannot attend the field trip. Credit may be earned for FASHN 335 or TA 436, but not both. The cost per student to participate is approximately $35-$90.

TA 437 Stage Make-up I 3 Units

Prerequisite: None.
General Education: CSU Area C1
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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. (C-ID THTR 175)

TA 438 Stage Make-up II 2 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 54 hours LAB
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.

TA 440 Arts Management 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This is a general survey course in arts management with emphasis on organization, marketing/development, and financial management. Field work and field trips will include projects with an existing arts organization.

TA 452 One-Act Play Workshop 3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A
Course Transferable to UC/CSU
Hours: 36 hours LEC; 36 hours LAB
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, and/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 3 Units

Prerequisite: None.
General Education: AA/AS Area I; AA/AS Area VI
Course Transferable to UC/CSU
Hours: 36 hours LEC; 36 hours LAB
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, and/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 campus 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 461 Rehearsal and Performance – Drama .5-3 Units

Prerequisite: None.
Enrollment Limitation: Audition.
Course Transferable to UC/CSU
Hours: 162 hours LAB
This course provides a workshop training experience in the preparation and performance of dramatic theatre productions. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity.

TA 462 Rehearsal and Performance – Comedy .5-3 Units

Prerequisite: None.
Enrollment Limitation: Audition.
Course Transferable to UC/CSU
Hours: 162 hours LAB
This course provides a workshop training experience in the preparation and performance of comedic theatre productions. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity.

TA 463 Rehearsal and Performance – Classical .5-3 Units

Prerequisite: None.
Enrollment Limitation: Audition.
Course Transferable to UC/CSU
Hours: 162 hours LAB
This course provides a workshop training experience in the preparation and performance of classical theatre productions. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity. .

TA 464 Rehearsal and Performance – Children's Show .5-3 Units

Prerequisite: None.
Enrollment Limitation: Audition.
Course Transferable to CSU
Hours: 162 hours LAB
This course provides a workshop training experience in the preparation and performance of children's theatre productions. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity.

TA 465 Rehearsal and Performance – Musical .5-3 Units

Prerequisite: None.
Enrollment Limitation: Audition.
Course Transferable to UC/CSU
Hours: 162 hours LAB
This course provides a workshop training experience in the preparation and performance of musical theatre productions. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office, and publicity.

TA 466 Rehearsal and Performance – Musical Ensemble .5-3 Units

Same As: MUP 370
Prerequisite: None.
Enrollment Limitation: Students are selected through auditions as singers and instrumentalists.
Course Transferable to UC/CSU
Hours: 162 hours LAB
This course is open to students performing in theatrical musical productions. It provides a workshop training experience in the preparation and performance of musical literature. Students are selected through audition as singers and instrumentalists. The course requires 27 hours of laboratory for each half-unit of credit. This course is cross-listed with MUP 370. Students may receive credit for MUP 370 or TA 466, but not both.

TA 477 Fundamentals of Repertory Production 1-3 Units

Prerequisite: None.
Enrollment Limitation: Audition.
Course Transferable to UC/CSU
Hours: 18 hours LEC; 108 hours LAB
The course provides for participation in one or more productions and includes work in all areas of theatre, including acting, scene construction, costumes, makeup, and business management. It culminates in concurrent performances at the end of the session. Students may opt for a one-unit workshop, which will survey the production process.

TA 494 Topics in Theatre Arts .5-4 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 54 hours LEC; 162 hours LAB
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 1-3 Units

Prerequisite: None.
Course Transferable to UC/CSU
Hours: 36 hours LEC; 54 hours LAB
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 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 18 hours LEC; 300 hours LAB
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 .5-4 Units

Prerequisite: None
Course Transferable to UC/CSU
Hours: 48 hours LEC; 72 hours LAB
This course will be an experimental offering on topics not yet covered by current Theatre Arts courses or an offering that addresses topics as they arise, such as those which relate to new styles of theatre or current topics. Courses will be structured around either a specific style (such as "dance theatre" or "multi-media theatre") or a current topic (such as "environmental theatre" or "political theatre"). 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.

Theatre Arts Film (TAFILM)

TAFILM 300 Introduction to Film 3 Units

Same As: ENGLT 400
Prerequisite: ENGWR 51 and ENGRD 11 or ESLR 310 and ESLW 310 with grades of "C" or better or placement through the assessment process.
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better; OR ESLR 320 and ESLW 320 with grades of "C"or better.
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 54 hours LEC
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 1880's through 1950's. (This course was formerly known as TA 314.)

TAFILM 304 History of Film: 1950's to Present 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 with grades of "C" or better; OR ESLR 320 and ESLW 320 with grades of "C" or better.
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 54 hours LEC
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 1950's to present. (This course was formerly known as TA 315.)

TAFILM 307 Diversity in American Film 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 110 or ESLR 320 and ESLW 320 with grades of "C" or better, or placement through assessment process.
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 54 hours LEC
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 308 An American Musical: Stage and Film 3 Units

Prerequisite: None.
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 54 hours LEC
This course studies the transition of the musical from its earliest incarnation to the latest Broadway and box office hits. This course will examine both production films (movies made of stage productions) and feature films to examine how the theatrical techniques of the musical have been translated to the media of film. (This course was formerly known as TA 322.)

TAFILM 309 From Stage to Screen: Production Design and Art Direction 3 Units

Prerequisite: None.
General Education: AA/AS Area I
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
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 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 72 hours LAB
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 3 Units

Prerequisite: TAFILM 330 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 72 hours LAB
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 3 Units

Prerequisite: TAFILM 332 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 72 hours LAB
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 3 Units

Prerequisite: TAFILM 333 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 72 hours LAB
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 with Final Cut Pro 3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 primarily Macintosh based. (This course was formerly known as TA 333.)

TAFILM 341 Advanced Film Editing with Final Cut Pro 3 Units

Prerequisite: TAFILM 340 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course is designed for experienced users or those wishing to increase their overall Final Cut Pro 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 this powerful program. (This course was formerly known as TA 334.)

TAFILM 343 Introduction to Motion Graphics for Film: Apple Motion 3 Units

Prerequisite: None.
Advisory: GCOM 330 and TAFILM 340 with a grade of C or better and basic knowledge of the Macintosh OS
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This hands-on course will familiarize students with Motion, Apple's software for motion graphics design. The course comprehensively covers Motion's Real-Time Design 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, DVD motion menu design, tablet-driven gesture UI techniques, and working with audio, keyframing, and integration. (This course was formerly known as TA 336.)

TAFILM 344 Introduction to Digital Effects 3 Units

Prerequisite: None.
Advisory: TAFILM 340 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: TAFILM 344 with a grade of "C" or better
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 346 Introduction to DVD Production 3 Units

Prerequisite: None.
Advisory: TAFILM 340 and GCOM 330 with a grade of "C" or better.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
This course examines the history and future of the DVD video format after the most successful launch ever of a consumer electronics format. Students learn how to design, produce, and burn a DVD on a personal computer. Students explore the methods of integrating video, audio, text, graphics, and user interactivity through the use of DVD production software. Students explore DVD's ability to integrate with the Internet. Students use a professional approach to real world DVD production processes. Students are expected to already have exposure to Adobe Photoshop and film editing software. (This course was formerly known as TA 335.)

TAFILM 347 Color Correcting and Grading for Film 3 Units

Prerequisite: None.
Advisory: TAFILM 340 with a grade of "C" or better and basic knowledge of the Macintosh OS
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 3 Units

Prerequisite: None.
Advisory: ENGWR 300 (College Composition) with a grade of "C" or better, or ESLW 340 with a grade of "C" or better.
Course Transferable to CSU
Hours: 54 hours LEC
This course is a study of the creativity and techniques of screenwriting for short films, feature films, and television. Students will view and analyze exemplary films, participate in writing exercises and workshops, and complete a treatment and master scenes of a full-length professionally formatted screenplay. (This course was formerly known as TA 339.)

TAFILM 495 Independent Studies in Film 1-3 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 36 hours LEC; 54 hours LAB
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 1-4 Units

Prerequisite: None.
Course Transferable to CSU
Hours: 300 hours LAB
This course provides a supervised work experience in a professional film setting. Students may be assigned to work 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. Work Experience may be taken for a total of 16 units when there are new or expanded learning objectives.

TAFILM 499 Experimental Offering in Theatre Arts Film .5-4 Units

Prerequisite: None
Course Transferable to CSU
Hours: 48 hours LEC; 72 hours LAB

Theatre Arts Performance (TAP)

TAP 300 Modern Rehearsal and Performance I 1-3 Units

ourse Family: Modern Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 301 Modern Rehearsal and Performance II 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 302 Modern Rehearsal and Performance III 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 303 Modern Rehearsal and Performance IV 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 310 Modern Technical Production I 1-3 Units

Course Family: Modern Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 311 Modern Technical Production II 1-3 Units

Course Family: Modern Performance and Technical Production
Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 312 Modern Technical Production III 1-3 Units

Course Family: Modern Performance and Technical Production
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 313 Modern Technical Production IV 1-3 Units

Course Family: Modern Performance and Technical Production
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 320 Classical Rehearsal and Performance I 1-3 Units

Course Family: Classical Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 321 Classical Rehearsal and Performance II 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 322 Classical Rehearsal and Performance III 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 323 Classical Rehearsal and Performance IV 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 330 Classical Technical Production I 1-3 Units

Course Family: Classical Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 (C-ID THTR 192)

TAP 331 Classical Technical Production II 1-3 Units

Course Family: Classical Performance and Technical Production
Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 332 Classical Technical Production III 1-3 Units

Course Family: Classical Performance and Technical Production
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 333 Classical Technical Production IV 1-3 Units

Course Family: Classical Performance and Technical Production
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 340 Musical Rehearsal and Performance I 1-3 Units

Course Family: Musical Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 341 Musical Rehearsal and Performance II 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 342 Musical Rehearsal and Performance III 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 343 Musical Rehearsal and Performance IV 1-3 Units

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
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 350 Musical Technical Production I 1-3 Units

Course Family: Musical Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 351 Musical Technical Production II 1-3 Units

Course Family: Musical Performance and Technical Production
Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 352 Musical Technical Production III 1-3 Units

Course Family: Musical Performance and Technical Production
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 353 Musical Technical Production IV 1-3 Units

Course Family: Musical Performance and Technical Production
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 360 Children's Theatre Rehearsal and Performance I 1-3 Units

Course Family: Children's Theatre Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 361 Children's Theatre Rehearsal and Performance II 1-3 Units

Course Family: Children's Theatre Performance and Technical Production
Prerequisite: TAP 300, 320, 340, or 360 with a grade of "C" or better
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 362 Children's Theatre Rehearsal and Performance III 1-3 Units

Course Family: Children's Theatre Performance and Technical Production
Prerequisite: TAP 301, 321, 341, or 361 with a grade of "C" or better
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 363 Children's Theatre Rehearsal and Performance IV 1-3 Units

Course Family: Children's Theatre Performance and Technical Production
Prerequisite: TAP 302, 322, 342, or 362 with a grade of "C" or better
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 370 Children's Theatre Technical Production I 1-3 Units

Course Family: Children's Theatre Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 371 Children's Theatre Technical Production II 1-3 Units

Course Family: Children's Theatre Performance and Technical Production
Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 372 Children's Theatre Technical Production III 1-3 Units

Course Family: Children's Theatre Performance and Technical Production
Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 373 Children's Theatre Technical Production IV 1-3 Units

Course Family: Children's Theatre Performance and Technical Production
Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 380 Repertory/Touring Rehearsal and Performance I 1-3 Units

Course Family: Repertory/Touring Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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 and/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. (C-ID THTR 191)

TAP 381 Repertory/Touring Rehearsal and Performance II 1-3 Units

Course Family: Repertory/Touring Performance and Technical Production
Prerequisite: TAP 300, 320, 340, 360, or 380 with a grade of "C" or better
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 382 Repertory/Touring Rehearsal and Performance III 1-3 Units

Course Family: Repertory/Touring Performance and Technical Production
Prerequisite: TAP 301, 321, 341, 361, or 381 with a grade of "C" or better
Enrollment Limitation: Audition
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 383 Repertory/Touring Rehearsal and Performance IV 1-3 Units

Course Family: Repertory/Touring Performance and Technical Production
Prerequisite: TAP 302, 322, 342, 362, or 382 with a grade of "C" or better
Enrollment Limitation: Audition
Course Transferable to CSU
Hours: 162 hours LAB
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. (C-ID THTR 191)

TAP 390 Repertory and Touring Technical Production I 1-3 Units

Course Family: Touring Performance and Technical Production
Prerequisite: None.
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 391 Repertory and Touring Technical Production II 1-3 Units

Course Family: Repertory/Touring Performance and Technical Production
Prerequisite: TAP 310, 330, 350, 370, and 390 with grades of "C" or better
Enrollment Limitation: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 392 Repertory and Touring Technical Production III 1-3 Units

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: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

TAP 393 Repertory and Touring Technical Production IV 1-3 Units

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: Enrollment is limited to students with the ability to perform specific technical crew positions as determined by an interview and the requirements of the play.
Course Transferable to UC/CSU
Hours: 162 hours LAB
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. (C-ID THTR 192)

Topics in (Subject) .5-4 Units
294

Not transferable
This is a Topics course that focuses on a specific knowledge or skill as described by a complete course outline of record that changes from term to term. This course may be developed in cooperation with industry to meet specialized training needs. In general, the topics discussed in this course are not included in current curriculum offerings. Topics courses may be repeated four times up to a maximum of 16 units, with no duplication of topics. Refer to the Schedule of Classes for more specific offerings.

BUS 294
COSM 294
ECE 294
FCS 294
FLTEC 294
MET 294
RAILR 294

494

Course Transferable to: CSU (as elective units)
Course Transferable to: UC (for those marked with an asterisk, 494)*
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.
This is a Topics course that focuses on a specific knowledge or skill as described by a complete course outline of record that changes from term to term. This course may be developed in cooperation with industry to meet specialized training needs. In general, the topics discussed in this course are not included in current curriculum offerings. Topics courses may be repeated four times up to a maximum of 16 units, with no duplication of topics. Refer to the Schedule of Classes for more specific offerings.

ADMJ 494
AERO 494
ANTH 494*
ART 494*
ARTH 494*
ASTR 494*
BIOL 494*
CHEM 494*
COMM 494*
EDT 494
ENGLT 494*
ET 494
GERON 494*
HIST 494*
LIBT 494
MATH 494*
MUSM 494
PHOTO 494
PHYS 494*
POLS 494*
PSYC 489* and 494*
SOC 494*
SOCSC 493*
TA 494*

Women's Studies

Degree:
A.A. – Women's Studies

Division of Behavioral and Social Science
Dr. Carl-Petter Sjovold, Interim Dean
Rodda North 226
916-558-2401

Women's Studies

Associate in Arts Degree

Program Information
Women's Studies is an interdisciplinary program that takes as its focus the experiences of women and an analysis of that experience. Based on the conviction that gender roles are socially constructed through time, the program employs perspectives from disciplines such as history, literature, philosophy, sociology, and psychology to examine how women's lives are 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 women's diverse experiences within local, national, and global contexts. The program encourages an analysis of how the production of gender is influenced by factors of race, class, sexuality, and nationality.

Career Opportunities
A degree in Women's Studies provides students with an academically well-rounded knowledge base anchored in strong critical thinking skills, through the lens of women's experiences and feminist scholarship. Students who complete the Women's 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's 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's Studies degree gives students the confidence to pursue careers traditionally held by men.

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 role 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 the major issues pertaining to contemporary women, including motherhood, violence against women, abortion, economic issues, marriage and relationships, 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.

Required Program	**Units**
SOCSC 350 Introduction to Women's Studies	3
SOCSC 352 Global Women's Issues (3) or SOC 345 Global Women's Issues (3)	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)	
HIST 310 History of the United States (3) or HIST 483 History of the United States Honors (3)	
HIST 311 History of the United States (3) or HIST 484 History of the United States Honors (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) or FCS 326 Sex and Gender in the U.S. (3)	
SOC 343 Women and Social Action (3)	
SOC 344 Sociology of Women's Health (3)	
Total Units Required	**18**

[1] Students must take the "Women's Emphasis" sections of HIST 310 or 483 and HIST 311 or 484.

Associate in Arts (A.A.) Degree
The Associate in Arts 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.

Transfer Information
In addition to the course requirements, transfer students should complete the general education requirements for the university to which they plan to transfer. Students can also use the Sacramento City College General Education pattern to obtain the degree; however, these courses do not necessarily fulfill the general education requirements of transfer institutions. Student should see a counselor regarding academic planning.

Work Experience WEXP
Cooperative Work Experience Education and Internship Program

Division of Counseling and Student Success
Dr. Kimberly McDaniel, Dean
Rodda North 111
916-558-2289

Placements
Students interested in an internship, a volunteer work experience, a paid work experience, or any type of work-learn experience may secure assistance from the Work Experience office.

Enrollment
Students may enroll in a Work Experience class as listed in the Schedule of Classes during the class registration process. The individual instructor determines the student's eligibility for the course. Students may not be enrolled in more than one Work Experience course at a time. Consult the Work Experience office for assistance.

Qualifications
a) The student must be enrolled in and complete a minimum of seven (7) units, including Work Experience. Example: four (4) units of Work Experience plus one three (3) unit class for a total of seven (7) units.

b) Occupational Work Experience 498 or 298: The student must be working in a job or internship related to the student's major or planned college program.

c) General Work Experience 198: The student is employed but has no declared major or the job is unrelated to the major. General Work Experience 198 is not acceptable for Veterans Administration benefits.

d) The student who is already working will have his or her job evaluated by the Work Experience instructor. The methods of evaluation will include learning experiences that contribute to the student's educational or occupational goals.

e) Self-employed students must name a designated evaluator who is acceptable to the instructor. The evaluator must have educational or experiential background necessary to judge student-learning experiences.

Credit
One unit of credit is granted for each 75 hours of paid work experience or for 60 hours of volunteer experience. General Work Experience students can earn up to three (3) units each semester for a total of 12 units. Occupational Work Experience students can earn up to four (4) units each semester for a total of 16 units. General and Occupational Work Experience credits can be combined but no student can earn more than 16 units total. Students will be issued time sheets on which to record their work hours. A work experience course may be repeated for credit when there are new learning experiences possible on the job.

Course Work
Credit will only be given through enrollment in a work experience course. Attendance is required. Each student will be required to develop job-related learning objectives in coordination with the supervisor and the instructor. Other course material will be related to career development and the labor market or the workplace in general. Work Experience students will attend a weekly class session. Classes are available online as well as in a traditional classroom venue.

Involvement of the Employer
The employer will be asked to cooperate with the student employee and the instructor to develop meaningful learning objectives. The employer and the coordinator will also evaluate the student's progress both in writing and in a personal conference during each semester.

Summer Session
Students may enroll in a Work Experience course during the summer without having to enroll in other courses.

Alternate Semester Work Experience
This plan is for students who attend school full time one semester and work full time the next semester, for example as in the Federal Cooperative Education Program. Students must complete seven (7) units at a Los Rios Community College District college before they may enroll and may earn up to eight (8) units for each semester of Work Experience. Students cannot be enrolled in more than one other course while enrolled in the Alternate Semester Plan. They must complete seven (7) additional units before enrolling again in Cooperative Work Experience. Enrollment in Alternate Semester Work Experience is possible only through special arrangements with the Work Experience Coordinator.

Work Experience courses are available in several divisions and will be listed in the catalog and the class schedule as follows:

Administration of Justice – ADMJ 498

Aeronautics – AERO 498

Art – ART 498

Business – BUS 498

Computer Information Science – Core – CISC 498

Computer Information Science – Web – CISW 498

Early Childhood Education – ECE 498

Electronics Technology – ET 498

Engineering Design Technology – EDT 498

Gerontology – GERON 498

Graphic Communication – GCOM 498

Journalism – JOUR 498

Library and Information Technology – LIBT 498

Marketing – MKT 498

Music, Specializations in Music – MUSM 498

Photography – PHOTO 498

Real Estate – RE 498

Surveying – SURVY 498

Theatre Arts – TA 498

Internship courses are available in several divisions and will be listed in the catalog and the class schedule as follows:

Kinesiology – KINES 497

Political Science – POLS 497

Real Estate – RE 497

Work Experience (WEXP)

Students who are interested in combining practical work experience with classroom training, ether for pay or as volunteers, and students who are working full-time or part-time, as volunteers for pay, may enroll in a Work Experience class. College credit is granted for the following: 1) WEXP 198 – when the student is working in a job unrelated to the student's college program or if the student has not declared a major; 2) WEXP 298 – when the student is working in a job or internship related to the student's major or planned occupational or transfer education program; 3) WEXP 498 – when the student is working in a job or internship related to the student's major, or planned occupational or transfer education program. This course is transferable to CSU campuses.

WEXP 198 Work Experience – General 1-3 Units

Prerequisite: None.
General Education: AA/AS Area III(b)
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job or volunteer position.
Hours: 225 hours LAB
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. This course is not repeatable. Only one Work Experience course may be taken per semester.

WEXP 298 Work Experience in (Subject) 1-4 Units

Prerequisite: None.
General Education: AA/AS Area III(b)
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.
Hours: 300 hours LAB
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 in Career and Technical Education. 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.

WEXP 498 Work Experience in (Subject) 1-4 Units

Prerequisite: None.
General Education: AA/AS Area III(b)
Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.
Course Transferable to CSU
Hours: 300 hours LAB

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.

Honors Courses and Program

Honors courses provide an enriched and unique educational experience with small classes in a seminar format. All courses are transferable and meet the general education/breadth requirements. Honors students have easy access to their instructors and are expected to utilize critical thinking skills throughout their course work.

Eligibility: 3.0 GPA, eligibility for ENGWR 300, or upon application and letters of recommendation. Applications are available from Paul Frank, Honors Coordinator (frankp@sc.losrios.edu, Rodda Hall North 234), from the Behavioral and Social Sciences Division Office in Rodda Hall North 226, or from the Honors Program website at www.scc.losrios.edu/honors. Students completing 15 units of Honors courses with a 3.2 GPA or higher are designated "Honors Scholars" at graduation and on their transcript and qualify for the UCLA TAP and other transfer alliance programs. Honors courses are listed at the end of the Degrees, Certificates, Courses, and Transfer Majors section of this catalog as well as within some discipline areas.

Honors courses meet program requirements for certain certificates and degrees. Please see your counselor or the Honors Coordinator for more information.

NOTE: Transferable courses may or may not satisfy lower division major preparation, general education, and/or elective requirements. Please meet with a counselor for specific transfer course evaluation.

Honors courses may be found in these subject areas:

Honors Course	Non-Honors Course	Honor Course Title
ANTH 480	ANTH 300	Honors Physical Anthropology
ANTH 481	ANTH 310	Honors Cultural Anthropology
ARTH 484	ARTH 304	Ancient Art - Honors
ARTH 486	ARTH 306	Medieval Art – Honors
ARTH 487	ARTH 308	Renaissance Art - Honors
ARTH 488	ARTH 310	Modern Art – Honors
CHEM 484	none	Advanced General Chemistry – Honors
ENGLT 480	none	World Literature: Antiquity to the Early Modern World – Honors
ENGLT 481	none	World Literature: Seventeenth Century – Present – Honors
ENGWR 480	ENGWR 300	Honors College Composition
ENGWR 482	ENGWR 302	Honors Advanced Composition and Critical Thinking
ENGWR 488	ENGWR 300	Honors College Composition and Research
HIST 483	HIST 310	History of the United States – Honors
HIST 484	HIST 311	History of the United States – Honors
HIST 485	HIST 314	Recent United States History – Honors
MUFHL 481	MUFHL 310	Survey of Music History and Literature - Honors
MUFHL 482	MUFHL 311	Survey of Music History and Literature - Honors
NUTRI 480	NUTRI 300	Nutrition Honors
PHIL 480	PHIL 330	History of Classical Philosophy – Honors
PHIL 481	PHIL 331	History of Modern Philosophy – Honors
POLS 480	POLS 310	Introduction to International Relations - Honors
POLS 481	POLS 301	Introduction to Government: United States – Honors
PSYC 480	PSYC 300	Honors General Principles
PSYC 489	none	Topics in Psychology – Honors
SOC 480	SOC 300	Introduction Sociology - Honors
STAT 480	STAT 300	Introduction to Probability and Statistics - Honors

"SAME AS" Courses

The following courses are cross-listed in other disciplines. Credit for course work and units completed will be granted for one course only. Cross-listed courses may be offered in alternating semesters so please check the class schedule for other "same as" courses.

Course Numbers			Course Title
ADMJ 303	PSYC 405		Substance Abuse: Effects on Body and Behavior
ADMJ 326	FCS 306		Family Law Issues
BUS 320	FCS 304		Concepts in Personal Finance
BUS 325	ECON 330		Investments and Financial Management
COMM 351	ENGWR 384	JOUR 310	Mass Media and Society
ECE 100	NUTRI 100		Nutritional Education for Early Childhood Education
ECE 314	SOC 312		The Child, the Family and the Community
ECE 410	HEED 330		Health and Safety in Child Care Settings
ECON 330	BUS 325		Investments and Financial Management
ENGLT 400	TA 310		Introduction to Film
ENGWR 330	JOUR 340		Writing for Publication
ENGWR 384	COMM 351	JOUR 310	Mass Media and Society
FASHN 335	TA 436		Historic Costuming
FCS 304	BUS 320		Concepts in Personal Finance
FCS 306	ADMJ 326		Family Law Issues
FCS 320	SOC 310		Marriage and the Family
FCS 324	PSYC 370		Human Development: A Life Span
FCS 326	SOC 341		Sex and Gender in the U.S.
GCOM 492	JOUR 492	PHOTO 492	Media Professional - Production Lab
GERON 300	SOC 335		Sociology of Aging
GERON 302	PSYC 374		Psychology of Aging: Adult Development and Aging
HEED 330	ECE 410		Health and Safety in Child Care Settings
JOUR 310	COMM 351	ENGWR 384	Mass Media and Society
JOUR 340	ENGWR 330		Writing for Publication
JOUR 364	PHOTO 380		Multimedia Capture I
JOUR 365	PHOTO 381		Multimedia Capture II
JOUR 492	GCOM 492	PHOTO 492	Media Professional - Production Lab
KINES 418	NUTRI 302		Nutrition for Physical Performance
LIBR 325	LIBT 325		Internet Research Skills
LIBT 325	LIBR 325		Internet Research Skills
MUP 370	TA 466		Rehearsal and Performance – Musical Ensemble
NUTRI 100	ECE 100		Nutritional Education for Early Childhood Education
NUTRI 302	KINES 418		Nutrition for Physical Performance
PHOTO 380	JOUR 364		Multimedia Capture I
PHOTO 381	JOUR 365		Multimedia Capture II
PHOTO 492	GCOM 492	JOUR 492	Media Professional - Production Lab
PSYC 370	FCS 324		Human Development: A Life Span
PSYC 374	GERON 302		Psychology of Aging: Adult Development and Aging
PSYC 405	ADMJ 303		Substance Abuse: Effects on Body and Behavior
SOC 310	FCS 320		Marriage and the Family
SOC 312	ECE 314		The Child, the Family and the Community
SOC 335	GERON 300		Sociology of Aging
SOC 341	FCS 326		Sex and Gender in the U.S.
SOC 345	SOCSC 352		Global Women's Issues
SOCSC 352	SOC 345		Global Women's Issues
TA 436	FASHN 335		Historic Costuming
TA 466	MUP 370		Rehearsal and Performance – Musical Ensemble
TAFILM 300	ENGLT 400		Introduction to Film

Degree Completion, Graduation, and Transfer

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Credits from Advanced Placement, College-Level Examination Program (CLEP), and International Baccalaureate Credits (IB)

Advanced Placement Credits

Students at Sacramento City College may be awarded units of credit for each Advanced Placement examination (CEEB) they pass with a score of 3, 4, or 5. Students will receive units/credits but not letter grades for these courses, and they will not be used in the computation of cumulative grade point average for graduation or transfer. After successful completion of 12 units at SCC, a student in good standing may submit their official CEEB Advanced Placement Test scores to the Admissions and Records Office for evaluation. Credit may not be earned for courses in which Advanced Placement credits have already been granted.

The following chart shows credit given at SCC to satisfy general education requirements and SCC equivalent courses. For transferring students, AP examination information is listed as it applies to meeting CSU General Education-Breadth or IGETC requirements. Students should check with their transfer institution about policies for using AP scores for admissions and/or their major. **Students who have earned credit from an AP exam should NOT take a comparable college course because transfer credit will not be granted for both.**

AP TEST SUBJECTS	SCC Courses Only			General Education (AP Scores of 3, 4, or 5)				
	SCORE	Course	Units	SCC GE	CSU GE-BREADTH		IGETC	
				Area 3 units	Area	Units	Area	Units
Art History	3, 4, 5	ARTH 304, 306, 308, 310	6 max.	I	C1 or C2	3	3A or 3B	3
Biology	3, 4, 5	BIOL 308 & 309	4	IV	B2 & B3	4	5B with lab	4
Calculus AB*	3, 4, 5	MATH 400	5	II (b)	B4	3	2A	3
Calculus BC*	3, 4, 5	MATH 400 & 401	10	II (b)	B4	3	2A	3
Calculus BC/AB Subscore*				II (b)	B4	3		
Chemistry (taken **after** F09)	3 4, 5	CHEM 305 CHEM 400	5 5	IV	B1 & B3	4	5A with lab	4
Chemistry (taken **prior** to F09)	3 4, 5	CHEM 305 CHEM 400	5 5	IV	B1 & B3	6	5A with lab	4
Chinese Language and Culture	3, 4, 5	N/A	0	I	C2	3	3B & 6A	3
Comparative Government & Politics	3, 4, 5	N/A	0	N/A	D8	3	4H	3
Computer Science A*	3, 4, 5	CISP 360	4	II (b)	N/A	0	N/A	0
Computer Science AB*	3, 4, 5	CISP 400	4	II (b)	N/A	0	N/A	0
English Language and Composition	3, 4, 5	ENGWR 300	3	II (a)	A2	3	1A	3
English Literature and Composition				II (a)	A2 & C2	6	1A or 3B	3
Environmental Science** (taken **after** F09)	3, 4, 5	BIOL 350	3	IV	B1 & B3	4	5A with lab	3
Environmental Science** (taken **prior** to F09)	3, 4, 5	BIOL 350	3	IV	B2 & B3	4	5A with lab	3
European History	3, 4, 5	HIST 300	3	I or V (b)	C2 or D6	3	3B or 4F	3
French Language (taken **after** F09)	3, 4, 5	FREN 401 & 402	8	I	C2	3	3B & 6A	3
French Language (taken **prior** to F09)	3, 4, 5	FREN 401 & 402	8	I	C2	6	3B & 6A	3
French Literature (taken **prior** to F09)	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3
French Literature and Culture	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3
German Language (taken **prior** F09)	3, 4, 5	GERM 401 & 402	8	I	C2	3	3B & 6A	3
German Language (taken **after** F09)	3, 4, 5	GERM 401 & 402	8	I	C2	3	3B & 6A	3
German Language and Culture	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3

AP TEST SUBJECTS	SCC Courses Only			General Education (AP Scores of 3, 4, or 5)				
	SCORE	Course	Units	SCC GE	CSU GE-BREADTH		IGETC	
				Area 3 units	Area	Units	Area	Units
Human Geography	3, 4, 5	GEOG 310	3	V (b)	D5	3	4E	3
Italian Language and Culture	3, 4, 5	N/A	0	I	C2	3	3B & 6A	3
Japanese Language and Culture	3, 4, 5	N/A	0	I	C2	3	3B & 6A	3
Latin Literature (taken **prior** to F09)	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3
Latin	3, 4, 5	N/A	0	N/A	C2	3	C2	3
Latin: Vergil	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3
Macroeconomics	3, 4, 5	ECON 302	3	V (b)	D2	3	4B	3
Microeconomics	3, 4, 5	ECON 304	3	V (b)	D2	3	4B	3
Music Theory (taken **prior** to F09)	3, 4, 5	MUFHL 400 & 401	6	I	C1	3	N/A	0
Physics B*** (taken **after** F09)	3, 4 5	PHYS 310 PHYS 350	3 4	IV	B1 & B3	4	5A with lab	4
Physics B*** (taken **prior** to F09)	3, 4 5	PHYS 310 PHYS 350	3 4	IV	B1 & B3	6	5A with lab	4
Physics C (electricity/ magnetism)***	3, 4, 5	N/A	0	IV	B1 & B3	4	5A with lab	3
Physics C (mechanics)***	3, 4, 5	N/A	0	IV	B1 & B3	4	5A with lab	3
Psychology	3, 4, 5	PSYC 300	3	V (b)	D9	3	4I	3
Spanish Language & Culture (taken **after** F09)	3, 4, 5	SPAN 401 & 402	8	I	C2	3	3B & 6A	3
Spanish Language (taken **prior** to F09)	3, 4, 5	SPAN 401 & 402	8	I	C2	6	3B & 6A	3
Spanish Literature & Culture (taken **after** F09)	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3
Spanish Literature (taken **prior** to F09)	3, 4, 5	N/A	0	N/A	C2	6	3B & 6A	3
Statistics	3, 4, 5	STAT 300	4	II (b)	B4	3	2A	3
Studio Art – 2D Design	3, 4, 5	ART 320	3	I	N/A	0	N/A	0
Studio Art – 3D Design	3, 4, 5	ART 370	3	N/A	N/A	0	N/A	0
Studio Art – Drawing	3, 4, 5	ART 300	3	I	N/A	0	N/A	0
U.S. Government & Politics	3, 4, 5	POLS 301 or 481	3	V (a) or	D8 &	3	4H	3

* If a student passes more than one AP exam in calculus or computer science, only one examination may be applied to the baccalaureate.

** Students who pass AP Environmental Scienc3e earn 4 units of credit. Tests prior to Fall 2009 may apply to either B1 + B3 or B2 + B3 of GE Breadth. Fall of 2009 or later, those credits may only apply to B1 + B3.

*** If a student passes more than one AP exam in physics, only six units of credit may be applied to the baccalaureate, and only four units of credit may be applied to a certification in GE Breadth.

College-Level Examination Program (CLEP)

After completing 12 units at Sacramento City College, a student may submit qualifying scores for the College-Level Examination Program (CLEP) to the Admissions and Records Office. Students may be granted up to 30 units of credit for examinations with scores of 50 percentile or higher. Students should be aware that four-year colleges have the right to accept, modify, or reject CLEP units.

CLEP Test	SCC General Education			CSU GE-Breadth		
	Score	Areas	Units	Score	Areas	Units
American Government	50	V (a)	3	50	D8	3
American Literature	50	I	3	50	C2	3
Analyzing and Interpreting Literature	50	I	3	50	C2	3
Biology	50	IV	3	50	B2	3
Calculus	50	II (b)	3	50	B4	3
Chemistry	50	IV	3	50	B1	3
College Algebra	50	II (b)	3	50	B4	3
College Algebra – Trigonometry	50	II (b)	3	50	B4	3
College Mathematics	50	n/a	0	50	n/a	0
English Composition (no essay)	50	n/a	0	50	n/a	0
English Composition with Essay	50	n/a	0	50	n/a	0
English Literature	50	I	3	50	C2	3
Financial Accounting	50	n/a	0	50	n/a	0
French Level I*	50	n/a	0	50	n/a	0
French Level II*	59	I	3	59	C2	3
Freshman College Composition	50	n/a	0	50	n/a	0
German Level I*	50	n/a	0	50	n/a	0
German Level II*	60	I	3	60	C2	3
History, United States I	50	V (a)	3	50	D6 & US-1	3
History, United States II	50	V (a)	3	50	D6 & US-1	3
Human Growth and Development	50	III (b)	3	50	E	3
Humanities	50	I	3	50	C2	3
Information Systems and Computer Applications	50	n/a	0	50	n/a	0
Introduction to Educational Psychology	50	n/a	0	50	n/a	0
Introductory Business Law	50	n/a	0	50	n/a	0
Introductory Psychology	50	V (b)	3	50	D9	3
Introductory Sociology	50	V (b)	3	50	D0	3
Natural Science	50	IV	3	50	B1 or B2	3
Pre-Calculus	50	II (b)	3	50	B4	3
Principles of Accounting	50	n/a	0	50	n/a	0

CLEP Test	SCC General Education			CSU GE-Breadth		
	Score	Areas	Units	Score	Areas	Units
Principles of Macroeconomics	50	V (b)	3	50	D2	3
Principles of Management	50	n/a	0	50	n/a	0
Principles of Marketing	50	n/a	0	50	n/a	0
Principles of Microeconomics	50	V (b)	3	50	D2	3
Social Sciences and History	50	n/a	0	50	n/a	0
Spanish Level I*	50	n/a	0	50	n/a	0
Spanish Level II*	63	I	3	63	C2	3
Trigonometry	50	II (b)	3	50	B4	3
Western Civilization I	50	I or V (b)	3	50	C2 or D6	3
Western Civilization II	50	V (b)	3	50	D6	3

*If a student passes more than one CLEP test in the same language other than English (e.g. two exams in French), then only one examination may be applied to the baccalaureate. For each test in a language other than English, a passing score of 50 is considered "Level I" and earns six units of baccalaureate credit; the higher score listed for each test is considered "Level II" and earns additional units of credit and placement in Area C2 of GE Breadth, as noted.

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. Courses with C-ID numbers will be accepted at other participating community colleges or universities (only the CSU system is participating at this time). For example: C-ID CHEM 110 at this college (our CHEM 400) will be accepted by any other college that has been approved for the same C-ID CHEM 110 number.

Students should consult a counselor for specific information and assistance with evaluating course transferability. In addition, students should always go to www.assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

C-ID COURSE	SCC COURSE
ACCT 110	ACCT 301
ACCT 120	ACCT 311
AJ 110	ADMJ 300
AJ 120	ADMJ 320
AJ 122	ADMJ 322
AJ 124	ADMJ 323
AJ 140	ADMJ 330
AJ 160	ADMJ 302
AJ 200	ADMJ 340
AJ 220	ADMJ 304
ARTH 100	ARTH 300
ARTH 110	ARTH 304 & 306
ARTS 100	ART 320
ARTS 101	ART 370
ARTS 110	ART 300
ARTS 200	ART 304
ARTS 220	ART 361
ARTS 230	ART 390
ARTS 240	ART 372
ARTS 270	ART 323
BUS 110	BUS 300
BUS 120	BUS 345
BUS 140	CISC 310
CDEV 100	ECE 312
CDEV 110	ECE 314
CHEM 150	CHEM 420
CHEM 160S	CHEM 421
COMM 110	COMM 301
COMM 120	COMM 311
COMM 130	COMM 321
COMM 140	COMM 331
COMM 150	COMM 325
COMM 160B	COMM 374
COMM 170	COMM 305
COMP 112	CISP 360
COMP 122	CISP 400
ECE 120	ECE 300
ECE 200	ECE 326
GEOG 130	GEOG 306
ECE 220	ECE 415
ECE 230	ECE 430
ECON 201	ECON 304

C-ID COURSE	SCC COURSE
ECON 202	ECON 302
ENGL 100	ENGWR 300
ENGL 100	ENGWR 480
ENGL 105	ENGWR 302
ENGL 110	ENGWR 303
ENGL 120	ENGWR 301
ENGL 130	ENGLT 320
ENGL 135	ENGLT 321
ENGL 140	ENGLT 480
ENGL 145	ENGLT 481
ENGL 160	ENGLT 310
ENGL 165	ENGLT 311
ENGL 180	ENGLT 370
ENGL 200	ENGCW 400
GEOG 110	GEOG 300
GEOG 111	GEOG 301
GEOG 120	GEOG 310
GEOG 125	GEOG 320
GEOG 130	GEOG 306
GEOG 150	GEOG 331
GEOG 155	GEOG 330
GEOG 160	GEOG 390
GEOL 101	GEOL 302
GEOL 110	GEOL 310
GEOL 110L	GEOL 311
GEOL 120	GEOL 305
GEOL 120L	GEOL 306
GEOL 200	GEOL 345
HIST 130	HIST 310
HIST 140	HIST 311
HIST 150	HIST 307
HIST 160	HIST 308
HIST 180	HIST 302
ITIS 120	CISC 310
JOUR 100	JOUR 310
JOUR 100	COMM 351
JOUR 100	ENGWR 384
JOUR 110	JOUR 300
JOUR 130	JOUR 410
JOUR 131	JOUR 411
JOUR 160	PHOTO 350
JOUR 160	JOUR 360

C-ID COURSE	SCC COURSE
MATH 240	MATH 420
MUS 100	MUFHL 305
PHIL 120	PHIL 310
PHIL 130	PHIL 330
PHIL 130	PHIL 480
PHIL 140	PHIL 331
PHIL 140	PHIL 481
PHIL 210	PHIL 325
PHYS 110	PHYS 360
PHYS 205	PHYS 410
PHYS 210	PHYS 420
PHYS 215	PHYS 430
PSY 110	PSYC 300
PSY 110	PSYC 480
PSY 120	PSYC 340
PSY 150	PSYC 310
PSY 170	PSYC 320
PSY 180	PSYC 370
PSY 180	FCS 324
PSY 200	PSYC 335
SOCI 110	SOC 300
SOCI 115	SOC 301
SOCI 120	SOC 302
SOCI 130	SOC 310
SOCI 140	SOC 341
SOCI 150	SOC 321
SPAN 100	SPAN 401
SPAN 110	SPAN 402
SPAN 200	SPAN 411
SPAN 210	SPAN 412
THTR 111	TA 300
THTR 113	TA 302
THTR 171	TA 420
THTR 173	TA 422
THTR 191	TAP 300, 301, 302, 303, 320, 321, 322, 323, 340, 341, 342, 343, 360, 380, 381, 382, 383
THTR 192	TAP 310, 311, 312, 313, 330, 331, 332, 333, 350, 351, 352, 353, 370, 390, 391, 392, 393

International Baccalaureate (IB) Credits

Sacramento City College may award college credit for international baccalaureate (IB) higher level course completion with scores of 5, 6, or 7, 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. 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.

HL = indicates "higher level" exams which qualify for IB credits. Students who have taken other exams (i.e., "S" = standard, are not eligible for IB credits.

IB Exam	Scores	AA/AS Area	Units	Scores	CSU GE Area	Units	Scores	IGETC Area	Units
Biology HL	5, 6, 7	IV	3	5, 6, 7	B2	3	5, 6, 7	5B (no lab)	3
Chemistry HL	5, 6, 7	IV	3	5, 6, 7	B1	3	5, 6, 7	5A (no lab)	3
Economics HL	5, 6, 7	V (b)	3	5, 6, 7	D2	3	5, 6, 7	4B	3
Geography HL	5, 6, 7	V (b)	3	5, 6, 7	D5	3	5, 6, 7	4E	3
History (any region) HL	5, 6, 7	I or V (b)	3	5, 6, 7	C2 or D6	3	5, 6, 7	3B or 4F	3
Language A1 (any language, except English) HL	N/A	N/A	N/A	N/A	N/A	N/A	5, 6, 7	3B and 6A	3
Language A2 (any language, except English) HL	N/A	N/A	N/A	N/A	N/A	N/A	5, 6, 7	3B and 6A	3
Language A1 (any language) HL	5, 6, 7	I	3	4	C2	3	5, 6, 7	3B	3
Language A2 (any language) HL	5, 6, 7	I	3	4	C2	3	5, 6, 7	3B	3
Language B (any language) HL**	N/A	N/A	N/A	4	N/A	0	5, 6, 7	6A	3
Mathematics HL	5, 6, 7	II (b)	3	4	B4	3	5, 6, 7	2A	3
Physics HL	5, 6, 7	IV	3	5, 6, 7	B1	3	5, 6, 7	5A (no lab)	3
Psychology HL	5, 6, 7	V (b)	3	5, 6, 7	D9	3	5, 6, 7	4I	3
Theatre HL	5, 6, 7	I	3	4	C1	3	5, 6, 7	3A	3

** **For CSU only, Language B (any language) HL** – The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. "Language A1 and A2 (any language) HL" are advanced courses in literature for native and non-native speakers, respectively.

General Education

A comprehensive education serves to develop the creativity, critical thinking, ethical behavior, and self-understanding that are essential to the attainment of personal goals and to participate in a society characterized by increasing global interdependence, competitiveness, and by rapid and significant change.

Therefore, the purpose of general education is to give breadth to the college experience, enhance the ability to learn, and ensure an appropriate level of competency. Thus, the general education program provides coherence to undergraduate education and affords students the opportunity to develop an integrated overview of the diverse fields of human knowledge.

General Education Learning Outcomes

The General Education Learning Outcomes (GELOs) were developed to:

- reflect our collective vision of a true "General Education" for our students that complete an A.A. or A.S. degree.
- clarify to students the expectations and purpose of the course requirements and student service experiences that lead to their degrees.
- be achieved in multiple ways given the diverse educational paths that our students take to achieve their degree goals.
- serve multiple purposes in addition to those stated above including curriculum review, accreditation recommendations, articulation alignment, and facilitation of collegial collaboration.
- be open to regular review, reflection, and modification.

Target Population

The GELO development process focuses on the expected outcomes for those students that earn an Associate degree. However, it is anticipated that all of our students will achieve many of these outcomes and benefits of the Sacramento City College experience.

I: Communication

Upon completion of the A.A. or A.S. degree students will be able to…
demonstrate effective reading, writing, and speaking skills.

Specifically, they will be able to…

- fully develop a college-level written assignment, with appropriate research, using correct grammar, spelling, punctuation, and referencing style
- accurately interpret written and spoken expository (informative) and argumentative (persuasive) messages
- critically evaluate the effectiveness of their own and others' messages (written, spoken, and nonverbal)
- apply evidence, reasoning, and logic to create effective messages
- adapt messages for diverse audiences
- create and deliver appropriate and effective oral messages for a variety of situations, using presentation aids when appropriate
- comprehend and critically read material written at the college level
- demonstrate effective reading strategies and study skills for lifelong learning

II: Quantitative Reasoning

Upon completion of the A.A. or A.S. degree students will be able to…
demonstrate knowledge of quantitative methods and skills in quantitative reasoning.

Specifically, they will be able to…

- extract, organize, and analyze quantitative data from information presented in various forms.
- apply quantitative methods to problem solving and decision making
- clearly communicate quantitative reasoning processes using appropriate terminology.
- demonstrate an understanding of various quantitative methods, their relationship to one another and their application to multiple disciplines.
- demonstrate facility with numbers, including orders of magnitude, appropriate use of precision versus accuracy in measurements, approximation, and multidimensional or multivariate problems.

III: Depth and Breadth of Understanding

Upon completion of the A.A. or A.S. degree students will be able to…
demonstrate content knowledge and fluency with the fundamental principles of the natural sciences, social sciences, and humanities.

Specifically, they will be able to…

- demonstrate basic knowledge in at least one scientific discipline including its fundamental definitions, theories, and current research areas.
- demonstrate understanding of the scientific method (observation, hypothesis development, measurement, data interpretation) by evaluating or performing experiments.
- value the importance of the scientific method of inquiry for explaining natural phenomena and exploring the universe.
- interpret and apply scientific information for effective decision-making in everyday life.
- apply their understanding of the historical development of the U.S. Constitution as they evaluate current political issues.
- describe different methods of inquiry used by the social sciences and apply social science methods to the analysis of a situation or problem.
- analyze the operation of societies and sub-groups within societies.
- evaluate actions of individuals or groups as those actions are related to responses to society.
- describe the ways in which people historically have used artistic or cultural creations to respond to themselves and the world.
- apply aesthetic theory in their daily lives.
- recognize and apply appropriate ethical standards in approaching decisions in their daily lives.
- demonstrate an understanding of the ways in which cultural activities, such as languages or the arts, are expressions of complex cultural systems.

IV: Cultural Competency

Upon completion of the A.A. or A.S. degree students will be able to…
demonstrate awareness of the various ways that culture and ethnicity shape and impact individual experience and society as a whole.

Specifically, they will be able to…
define ethnocentrism and cultural relativism and illustrate their impacts in personal views and behaviors.

- analyze race as a cultural construct and assess its societal impact.
- evaluate the role of culture in identity construction.
- explain the implications of cultural diversity in a global context.
- assess the ways that culture shapes the way we experience the world by examining various practices and/or beliefs through the perspectives of cultural insiders and outsiders.
- demonstrate respect, appreciation, and acceptance for multicultural differences.

V: Information Competency

Upon completion of the A.A. or A.S. degree students will be able to…
demonstrate knowledge of information needs and resources and the necessary skills to use these resources effectively.

Specifically, they will be able to…
- determine an information need in multiple contexts (academic, personal, professional or vocational).
- describe how information is produced, organized, and disseminated.
- select the information retrieval system or method appropriate to their needs, based on the content and organization of the retrieval system.
- construct and implement effectively-designed search strategies.
- demonstrate the skills necessary to use a variety of information tools to locate and retrieve information in various formats for a variety of academic, personal, professional or vocational purposes.
- evaluate information sources in terms of a)target audience/user, b)accuracy, credibility, and authority and c) accessibility.
- recognize ethical and legal issues regarding copyright as they affect authors, publishers and consumers.
- correctly cite information sources using different formats (MLA,APA, etc.)

VI: Critical Thinking

Upon completion of the A.A. or A.S. degree students will be able to…
demonstrate skills in problem solving, critical reasoning and the examination of how personal ways of thinking influence these abilities.

Specifically, they will be able to…
logically analyze and evaluate competing claims and arguments.
- identify and analyze problems; creatively propose, analyze, implement, and evaluate solutions to problems.
- demonstrate an understanding of the way personal attitudes, values, perceptions and beliefs affect and sometimes obstruct competent reasoning.
- systematically examine one's own beliefs, perceptions and ways of thinking to continuously improve reasoning skills.
- demonstrate an understanding of the importance of suspending judgment, on any vital issue, pending a thorough investigation.
- differentiate competing forms of ethical reasoning.

VII:Life Skills and Personal Development

Upon completion of the A.A. or A.S. degree, students will be able to…
demonstrate growth and lifelong learning skills in the personal, academic, and social domains of their lives.

Specifically, they will be able to…
- evaluate and apply data in approaching personal, community, and societal-level problems.
- apply principles and skills that contribute to life-long learning such as confidence in academic abilities, perseverance, discipline, questioning attitudes and interpersonal and social effectiveness.
- identify and effectively use programs, services, computer technology, and resources for career and academic success.
- develop successful study strategies in order to acquire, evaluate, generalize, and apply new information.
- engage in academic and vocational planning, choose and implement a plan for an academic major and career choices, and evaluate progress towards accomplishing their goals.
- demonstrate that they've created supportive social networks with family, faculty, and peers that facilitate adjustment and a sense of belonging to the college community.
- develop coping skills by applying psychological concepts to everyday life challenges, such as stress, substance use and addictions, interpersonal relationships, loss and grief reactions, and life changes.
- improve level of physical fitness and well being.
- critically reflect and evaluate moral and ethical responsibilities as a world citizen, building a larger consciousness and purpose beyond self.
- develop communication skills for successful transition and adjustment into the work world or the university.
- develop and utilize effective communication skills in building and maintaining interpersonal relationships.

Associate in Arts (A.A.)

Associate in Science (A.S.)

GRADUATION REQUIREMENTS 2015-16

Application for Graduation

Candidates for graduation must initiate a petition for graduation. Petitions are available at the Admissions and Records Office or online at www.scc.losrios.edu/admissionsrecords/graduation/.

Students may graduate at the end of the fall semester, spring semester, or summer session. However, the Commencement Ceremony is held only once a year in May. All students receiving degrees are encouraged to attend to celebrate their academic achievement.

If you plan to complete all requirements for graduation or transfer to a four-year school next semester, you can qualify for priority registration (registering prior to continuing student registration). To take advantage of this benefit, meet with a Sacramento City College counselor BEFORE registration begins to have your transcript evaluated and complete the priority registration form. The counselor will submit the form to Admissions and Records so you will receive a new registration date and time. For more information, contact Counseling or Admissions and Records.

All students MUST satisfy the following four requirements (1, 2, 3, 4) to earn an Associate in Arts/Science degree:

1. Complete a minimum of **60 degree applicable** units with a grade point average of 2.0 ("C" average). A minimum of 12 units must be completed at Sacramento City College.
2. Complete each required course with a grade of "C" or better for a "MAJOR" offered at Sacramento City College (see catalog for the list of majors).
3. Complete all general education requirements, Areas I, II (a & b), III (a & b, or c), IV, V (a & b), and VI.
4. Complete all three (3) Competency Requirements (reading, writing, and mathematics).

EXCEPTION: Students who possess a baccalaureate or higher degree completed at a college or university accredited through a CHEA (Council for Higher Education Accreditation) recognized Regional Accrediting Agency will have satisfied general education and competency requirements (# 3 and 4 listed above) for the Associate of Arts or Associate of Science degree. Degrees from accredited institutions outside of the United States will be evaluated on a case-by-case basis.

Note: Courses marked with an asterisk (*) are listed in more than one area but **can be used to satisfy ONLY ONE AREA** (except Area VI, Ethnic/Multicultural Studies).

COMPETENCY REQUIREMENTS – Complete all three areas (A, B, and C)

A. READING Competency

1. Achieve a qualifying reading score on the **first** or **second** English assessment **or**
2. Complete one of the following courses with a grade of "C" or better:
   ENGRD 208 or ENGRD 310 or ENGRD 312 or ESLR 340 **or**
3. Satisfactory completion of one of the following General Education Patterns:
   The Intersegmental General Education Transfer Curriculum (IGETC); or
   The California State University General Education-Breadth Requirements **or**
4. Obtain a satisfactory score on a college-level reading examination **or**
5. Possess an AA/AS degree or higher from an accredited college in the U.S. **or**
6. Pass an equivalent course at an accredited college.

B. WRITING Competency

1. Complete one of the following courses with a grade of "C" or better:
   BUS 310 or ENGWR 300 or 488 or ESLW 340 **or**

2. Pass an equivalent course ("C" grade or better) at an accredited college in the U.S.

C. MATHEMATICS Competency

1. Complete one of the following courses with a grade of "C" or better:
   ECON 310; MATH 110, 120, 124, 140, 300, 310, 335, 342, 350, 351, 370, 400, 401, 402, 410, 420; STAT 300, 480 **or**

2. Obtain a satisfactory score on the mathematics competency examination or

3. Pass an equivalent course ("C" grade or better) at an accredited college in the U.S.

2015-16 General Education Requirements

Area I – Humanities (3 units minimum)
ANTH 331; ART 300, 320, 390, 430, 440; ARTH 300, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 330, 332, 334, 410, 484, 486, 487, 488; COMM 305; ENGCW 400, 410, 420, 431; ENGLT 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; HIST 300*, 302*, 373*, 380*; HUM 300, 310, 332, 352; INDIS 350*, 351*, 352*, 353*; MUFHL 305, 309, 310, 311, 315, 320, 330, 400, 481, 482; PHIL 300*, 306, 310, 330, 331, 333, 338, 352, 353, 368*, 480, 481; SILA 305, 306, 315, 316, 330, 331; SPAN 425, 427; TA 300, 302, 303, 308, 454, 455; TAFILM 300, 302, 303, 304, 307, 308, 309
Foreign Languages:
ARABIC 401, 402; CANT 401, 402, 411, 412; FREN 101, 102, 111, 112, 401, 402, 411, 412; GERM 401, 402, 411, 412; GREEK 401, 402; ITAL 401, 402; JAPAN 401, 402, 411, 412; KOREAN 401, 402; MAND 401, 402, 411, 412; PNJABI 401, 402; PRSIAN 401, 402; RUSS 101, 102, 401, 402, 411, 412; SPAN 401, 402, 411, 412, 413, 415; TGLG 401, 402; VIET 401, 402

Area II – Languages and Rationality (6 units minimum) – 3 units from II (a) and 3 units from II (b)
II (a) – English Composition (3 units minimum): BUS 310; ENGWR 300, 301*, 302*, 303*, 482*, 488*; ESLW 340

II (b) – Communication and Analytical Thinking (3 units minimum):
AERO 300; CISC 310, 321 (1 unit); CISN 300, 302, 303, 304, 306, 308, 315 (2 units), 320, 336, 340, 341, 346, 378; CISP 301, 310, 320, 350, 360, 370, 400, 401, 430, 440, 452; CISW 400, 405, 410, 411 (2 units), 420, 440 (2 units); COMM 301, 311, 315, 316, 331, 341*, 361; ECE 326; ECON 310; ENGRD 310; ENGWR 302*, 303*, 482*, 488*; ET 314; GEOG 330; MATH 110, 120, 124, 140, 300, 310, 335, 342, 350, 351, 352, 370, 400, 401, 402, 410, 420; MET 352; PHIL 300*, 320, 325, 328; PSYC 335; SOC 302, 305*; STAT 300, 480; SURVY 300;

Area III – Living Skills (3 units minimum) – 1 unit from III (a) and 2 units from III (b) OR III (c) if student meets Military Service Credit requirements.
III (a) – Physical Education (1 unit minimum) – any activity course from:
ADAPT; FITNS; KINES 352; PACT; SPORT (except SPORT 90); TMACT

III (b) – Life Development Skills (2 units):
ADMJ 303*; AH 126, 301; BUS 320, 498 (minimum 2 units); BUSTEC 352; COMM 321, 335; ECE 314*, 415; EDT 498 (minimum 2 units); FCS 304, 320*; GERON 300*, 301, 302; HCD 110, 310, 312, 330 (1 unit); HEED 300, 321 (1 unit), 340; INDIS 240 (1 unit), 340 (1 unit); KINES 411, 412, 418; LIBR 318 (1 unit), 325; LIBT 325; NUTRI 300*, 302, 322, 330, 480*; PSYC 356*, 358*, 374, 390*, 392, 405*, 410; SOC 310*, 312*, 335*, 344*; SOCSC 350*; WEXP 198, 298, 498 (minimum 2 units)
NOTE: Area III waived for Military Service Credit (honorable discharge) with minimum of one (1) year active duty service. Submit copy of DD214 to the Admissions & Records office.

Area IV – Natural Sciences (3 units minimum) – Courses with (L only) indicates a lab course only for one unit.
ADMJ 332*, ANTH 300, 301 (L only), 303*, 480; ASTR 310, 320, 330, 400 (L only); BIOL 100, 305, 308, 314, 320, 321, 326, 327, 330, 332, 342, 350, 351, 352, 370, 402, 412, 422, 430, 431, 434, 440, 444; CHEM 300, 305, 306, 309, 320, 330, 336, 400, 401, 410, 420, 421, 425, 426, 484 (1 unit); GEOG 300, 301 (L only), 302, 305, 306, 308, 331; GEOL 302, 305, 306 (L only), 308, 310, 311 (L only), 345; NUTRI 300*, 480*; PHYS 310, 350, 360, 410, 420, 430; PSYC 310, 311(L only), 314, 315, 316

Area V – Social and Behavioral Sciences (6 units minimum) – One course from V (a) and one from V (b)
V (a) – American Institutions (3 units): HIST 310, 311*, 314*, 320*, 321*, 483*, 484*, 485*; POLS 301, 304, 481

V (b) – Other: ADMJ 332*, 342, 349; ANTH 303*, 310, 315, 317, 320, 323, 331, 332, 334, 341, 481; BUS 300, 330; COMM 325, 341*, 351, ECE 312, 314*; ECON 100, 302, 304; ENGWR 384; FCS 320*, 324, 326; GEOG 310, 320; GERON 300*; HIST 300*, 302*, 307, 308, 309, 311*, 314*, 320*, 321*, 344, 360, 364, 365, 373*, 375, 380*, 381, 483*, 484*, 485*; INDIS 350*, 351*,352*, 353*; JOUR 310, 320; PHIL 368*, POLS 302, 303, 310, 312, 313, 320, 322, 340, 350, 480; PSYC 300, 320, 340, 352, 356*, 358* 360, 364, 367, 370, 390*, 480; SOC 300, 301, 305*, 310*, 312*, 321, 335*, 341, 343, 344*, 345, 350, 380, 382, 385 (maximum 1 unit), 480, 481, 482; SOCSC 300, 320, 325, 330, 332, 335, 336, 350*, 352

VI. – Ethnic/Multicultural Studies (0-3 units minimum). Most of these courses are also listed in Areas I–V and can be used to meet General Education requirements. Terms in parentheses note the effective term.
ADMJ 302 (F98);AH 301 (F07); ANTH 310 (F97), 315 (F93), 317 (F06), 331 (F96), 332 (F95), 334 (F95), 341 (F05), 481 (F97); ARTH 320 (F93), 324 (F93), 325 (F07), 328 (F93), 330 (F93), 332 (F93); BUS 330 (F04); COMM 325 (F93); ECE 430 (F93); ENGLT 327 (F06), 331 (F08), 332 (F08), 334 (F95), 335 (F99), 345 (F09), 346 (F99), 360 (F97), 365 (F09), 401 (F02), 480 (F95), 481 (F95); ESLR 340 (F14); GEOG 310 (F95); HIST 307 (F98), 308 (F98), 309 (F93), 310 (F99), 311 (F99), 314 (F12), 320 (F93), 321 (F93), 344 (F96), 360 (F03), 364 (F93), 365 (F93), 373 (F93), 375 (F12), 380 (F04), 381 (F14), 483 (F00), 484 (F00); HUM 332 (F93); JOUR 320 (F95); MUFHL 330 (F06); NUTRI 310 (F09); PHIL 352 (F93), 353 (F93); POLS 312 (F07);PSYC 367; SOC 321 (F93), SOC 482 (F14)); SOCSC 300 (F03), 320 (F93), 325 (F93), 330 (F93), 332 (F93), 335 (F93), 336 (F93); TA 308 (F01), 318 (F01), 454 (F93), 455 (F93)

Transfer Information

Students who plan to transfer should take courses required by the institution they are preparing to attend. For detailed requirements for a specific major and college or university, students are strongly advised to meet with a counselor regularly because major preparation and general education requirements can change from year to year. The courses required for an associate degree major may not be the same as the lower-division requirements for a major at the baccalaureate level. For the lower-division requirements for a specific major at the college of your choice, please check their college catalog, visit the Transfer Center in Rodda Hall North 147, or visit ASSIST.org.

Independent/Private California Colleges and Universities

California has fully accredited independent/private colleges and universities that provide a host of options at undergraduate and professional levels for students planning to continue their education beyond community college. Students will be given academic credit for most, if not all, of their community college transferable credits that can apply to general education, the major, and other courses at most independent/private colleges and universities.

Each institution has its own requirements for admission. These requirements are outlined in the respective college catalogs that may be available in the Transfer Center and on their website. Students are urged to meet with a counselor for additional information and assistance.

Transferable Courses

Transferable courses can satisfy lower division major preparation, general education, and/or elective requirements. Please meet with a counselor for specific transfer course evaluation.

Transfer Center

The Transfer Center is designed to assist students in transferring to any four-year college or university. The Center maintains applications, catalogs, and other resource materials for many colleges and universities. Representatives from California State University, Sacramento; University of California, Davis; and University of the Pacific are available weekly to meet with students in the Transfer Center about their campus or other colleges within their systems.

The Transfer Opportunity Program (TOP) is a cooperative effort between UC Davis and Sacramento City College. It is designed to ensure students a smooth transfer to UC Davis. A UC Davis TOP Coordinator is available to meet with students in the Transfer Center.

The Transfer Center is located in the Counseling Center, Rodda Hall North 147, or call (916) 558-2181. Office hours are Monday through Thursday from 8:30 a.m. to 6:00 p.m., and Fridays from 8:30 a.m. to 5:00 p.m.

Transfer Credit

Courses accepted for transfer by the University of California (UC) and/or California State University (CSU) are listed with the course description and are identified in the “course transferable to” area.

Students who have questions regarding transferability of credits for specific courses to specific institutions should consult with a counselor.

Transferring to a California State University or University of California

Students planning to transfer to a CSU or UC should plan a program to meet the admission, lower-division major preparation, and general education requirements of the specific institution that they plan to attend. Transfer admission eligibility is based on transferable college units and/or high school records and test scores. Each institution has its own requirements for admission and for junior standing. To prepare for transfer, students must decide which school they will attend through research in the Transfer Center, RHN147, consult a counselor for the specific requirements for that particular institution, and to create an electronic educational plan (iSep).

California State University

Associate Degree for Transfer
A Degree with a Guarantee.

Associate in Arts/Science – Transfer Degrees

Program Information

California Community Colleges are now offering associate in arts (AA-T) and associate in science (AS-T) degrees for transfer to the California State University (CSU) system. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admissions with junior standing in the CSU system and are given priority admission consideration to their local CSU. This priority does not guarantee admission to specific majors or universities.

To earn an associate transfer degree, students must complete the following requirements:

(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 California State University General Education-Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC).

(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 following approved transfer degrees are listed in this catalog within each discipline area:

AS-T Administration of Justice
AA-T Anthropology
AA-T Art History
AS-T Business Administration
AA-T Communication Studies
AA-T Early Childhood Education
AA-T Elementary Teacher Education
AA-T English
AA-T Geography
AS-T Geology
AA-T History
AA-T Journalism
AA-T Kinesiology
AS-T Mathematics
AA-T Music
AA-T Philosophy
AA-T Political Science
AA-T Psychology
AA-T Sociology
AA-T Spanish
AA-T Studio Arts
AA-T Theatre Arts

Please check the website for a catalog addendum that may include new transfer degrees.

General Education – Breadth Requirements and Certification

Students will be required to complete a minimum of 48 semester units in general education for a bachelor's degree at a CSU. Students can complete a maximum of 39 units of general education courses at a community college, but nine (9) units are upper-division courses that must be completed at the CSU.

SCC will complete and send a GE-Breadth Certification for students to the CSU of their choice, upon request, to verify completion of the 39 units of general education requirements. For full certification, all 39 units must be completed. Courses completed at other colleges/universities will need to be evaluated by a counselor. Please call the Counseling Center for an appointment. Requests for certification should be made at the Admissions and Records Office.

Lower-Division Transfers

Students will quality for admission if they have a grade point average of at least 2.0 ("C" or better) in all transferable units completed, are in good standing at the last college or university attended, and meet one of the following standards:

1. the freshman admission requirements (grade point average and subject requirements) in effect for the term to which they are applying, or
2. were eligible as a freshman at the time of high school graduation except for the subject requirements, and have been in continuous attendance in an accredited college since high school graduation, and have made up the missing subjects.

Applicants who graduated from high school prior to 1988 should contact the CSU Admissions Office to inquire about alternative admission programs. Check with the individual CSU for specific admission requirements.

ROTC – Air Force (CSUS)

Air Force Reserve Officer Training Corps is available to SCC students through a program offered at California State University, Sacramento. The CSUS Department of Aerospace Studies offers two-, three-, and four-year programs leading to a commission in the United States Air Force. All coursework is completed at CSUS. Scholarships are available to qualified students. Application to the program is typically completed not later than the first semester of the sophomore year, but juniors may apply under certain conditions. For more information, contact AFROTC, California State University, Sacramento, Department of Aerospace Studies, Yosemite Hall, or call (916) 278-7300.

Upper-Division Transfers

Generally, applicants will qualify for admission as upper-division transfer student if:

1. they have a grade point average of at least 2.0 ("C" or better) in all transferable units completed; and
2. they have completed a minimum of 60 semester or 90 quarter transferable units; and
3. they are in good standing at the last college or university attended; and
4. they have completed at least 30 semester units of college coursework with a grade of "C" or better in each course to be selected from courses in English, arts and humanities, social science, science and mathematics at a level at least equivalent to courses that meet general education requirements. The 30 units must include all of the general education requirements in communication in the English language and critical thinking (at least nine (9) semester units) and the requirement in mathematics/quantitative reasoning — usually three (3) semester units — OR the Intersegmental General Education Transfer Curriculum (IGETC) requirements in English communication and mathematical concepts and quantitative reasoning.

NOTE: All admission requirements (i.e., units, grade point average and specific subjects) must be completed prior to the summer semester for fall enrollment and the fall semester for spring enrollment.

University of California

General Education Requirements and Certification

General education requirements are designed to give University undergraduates a broad background in all major academic disciplines. Every UC campus and school of/discipline has its own general education requirement. Students also have the option of completing the Intersegmental General Education Transfer Curriculum (IGETC).

The IGETC is most helpful to students who want to keep their options open, those who know they want to transfer, but have not yet decided upon a particular institution, campus or major. Certain students, however, will not be well served by following the IGETC. Students who intend to transfer into a major that requires extensive lower-division preparation, such as engineering or the physical and natural sciences, should concentrate on completing the many prerequisites for the major that the college requires to determine eligibility for admission. Your counselor can advise you on which path is best for you.

Completion of all the requirements in the IGETC will permit a student to transfer to either a University of California or California State University system without the need, after transfer, to take additional lower-division general education courses. Otherwise, you will be required to satisfy the specific lower division general education requirements of the college or school you attend. For full IGETC Certification, the course requirements for all areas must be completed. For partial certification, no more than two courses can be incomplete on the IGETC pattern. All courses must be completed with a "C" grade or better. Student must meet with a counselor to complete the IGETC Certification. Please call the Counseling Center for an appointment.

Junior-Level Transfer

To be eligible for admission as a junior transfer student, a student must fulfill both of the following criteria:

1. Complete 60 semester (90 quarter) units of transferable college credit with a GPA of at least 2.4 (2.8 for nonresidents). No more than 14 semester (21 quarter) units may be taken Pass/No Pass (formerly Credit/No Credit).
2. Complete the following course pattern requirements, earning a grade of "C" or better in each course:
   a) Two transferable college courses (3 semester or 4-5 quarter units each) in English composition;
   b) One transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning,
   c) Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, and the physical and biological sciences.

If a student satisfies the Intersegmental General Education Transfer Curriculum (IGETC) prior to transferring to UC, he or she may satisfy part 2 of the transfer eligibility requirements).

Lower-Division Transfer

The University admits some transfer students before they reach junior standing if they have met specific requirements.

If a student was eligible for admission to the University when he or she graduated from high school – meaning the student satisfied the Subject, Scholarship and Examination Requirements, or was identified by the University as eligible in the local context and completed the Subject and Examination Requirements in the senior year, the student is eligible for transfer if he or she has a "C" (2.0) average in transferable college coursework.

If a student met the Scholarship requirement in high school but did not satisfy the Subject Requirement, the student must take transferable college course sin the missing subject, ear a "C" or better in each required course, and maintain an overall 2.0 GPA in all transferable coursework to the eligible to transfer.

UC Transferable Courses

Transferable courses can satisfy lower division major preparation, general education, and/or elective requirements. Please meet with a counselor for specific transfer course evaluation.

UC transferable courses are designated in the catalog and class schedule in the "Courses Transferable to" section of the course description.

California State University

General Education-Breadth Requirements

2015-16

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

To complete these requirements, students must have a 2.0 (2.4 for international and non-resident) or higher grade point average (GPA) for all courses taken to complete the General Education–Breadth Requirements. To transfer, students must meet the following requirements:

1. **60 transferable units** to include a minimum of 30 units from the General Education–Breadth Requirements,
2. Completion of **Area A, sections 1, 2 and 3 and Area B, section 4 with a grade of "C" or better**,
3. **2.0 grade point average** for all transferable course work completed.

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

Area A – English Language Communication and Critical Thinking (9 units minimum) One course from each numbered section (A1, A2, and A3)	
	A1 - Oral Communication COMM 301, 311**, 331, 361
	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, 328; SOC 305
Area B – Scientific Inquiry and Quantitative Reasoning (9 units minimum) – One course from each numbered section (B1, B2, and B4). At least one of the science 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 which is included in B1 or B2.	
	B1 - Physical Science ASTR 310, 320, 330, 400 (L only); CHEM 300(L), 305(L), 306(L), 309(L), 320(L), 330(L), 336(L), 400(L), 401(L), 410(L), 420(L), 421(L), 425(L), 426(L), 484(L); GEOG 300, 301 (L only), 305, 306, 308; GEOL 302(L), 305, 306 (L only), 308, 310, 311 (L only), 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), 314, 326, 342**, 350, 370(L), 402(L), 412(L), 422(L), 430(L), 431(L), 434, 440(L), 444(L); PSYC 310, 311 (L only)
	B3 - Laboratory Activity (one course from B1 or B2 with a "L" or "L only" designation).
	B4 - Mathematics/Quantitative Reasoning: CISP 440; ECON 310; MATH 300, 310, 335, 342, 350, 351, 352, 370, 400, 401, 402, 410, 420; STAT 300, 480

Area C – Arts and Humanities (9 units minimum)

At least one course from C1 and C2; one additional course is required and can be chosen from either C1 or C2.

NOTE: Courses designated with an * in area C1 or C2 are repeatable for credit, only one can be used to satisfy the general education requirement in Area C.

C1 - Arts: Arts, Cinema, Dance, Music, Theater

ART 300, 305, 320, 324, 337, 370*, 380, 390, 400; ARTH 300, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 330, 332, 334, 410, 484, 486, 487, 488; COMM 305; ENGLT 400, 403**, 404; 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 (2 units), 404, 437, 454; TAFILM 300, 302, 303, 304, 307**+, 320*

C2 - Humanities: Literature, Philosophy, Languages Other than English

ENGCW 400, 410; ENGLT 303, 304, 310, 311, 317, 320, 321, 327, 331, 332, 334**, 335, 345, 346, 360, 365, 370, 380, 392, 401, 403**, 480, 481; ESLR 340; FASHN 330; HIST 300**, 302**, 307**, 308**, 310**, 311**, 314**, 360**, 364**, 365**, 373**, 375**, 380**, 483**, 484**, 485**; HUM 300, 310, 332**, 352**; PHIL 300**, 310, 330, 331, 333, 338, 352, 353, 368**, 480, 481; SILA 305, 306, 315, 316; SPAN 425, 427; TAFILM 307**

Foreign Languages:

ARABIC 401, 402; CANT 401, 402, 411, 412; FREN 401, 402, 411, 412; GERM 401, 402, 411, 412; GREEK 401, 402; 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

Area D (D0-D9) – Social Sciences (9 units minimum)

Two course combination from D1a or D1b **and** one course from D2.

These courses are listed as Areas D0-D9 in ASSIST

D1a POLS 301** or 481** **paired with**
HIST 310** or 311** or 320** or 321** or 483** or 484**

OR

D1b HIST 310** or 320** or 483** **paired with**
HIST 311** or 321** or 484** or POLS 301** or 304** or 481**

D2

ADMJ 342; ANTH 310, 315, 317, 320, 323, 331, 332, 334, 341, 481; BUS 330, 345; COMM 321, 325, 335, 341, 351; ECE 312**, 314**; ECON 302, 304; ENGLT 334**; ENGWR 384; FCS 320**, 324**, 326** ; GEOG 302, 310, 320; GERON 300**, 302**; HIST 300**, 302**, 307**, 308**, 309, 310**, 311**, 314, 320**, 321**, 344, 360**, 364**, 365**, 373**, 375**, 380**, 483**, 484**, 485; JOUR 310, 320; PHIL 368** ; POLS 301**, 302, 303, 304**, 310, 312, 313, 320, 322, 340, 480, 481**; PSYC 300, 314, 316, 320, 335, 340**, 352, 356**, 360**, 364, 367, 370**, 374**, 390**, 392** (2 units), 480; SILA 330; SOC 300, 301, 302, 310**, 312**, 321, 335**, 341**, 343, 344**, 345, 350, 375, 480; SOCSC 300, 320, 325, 330, 332, 335, 336, 350, 352

Area E. Lifelong Learning and Self Development (3 units minimum)

BIOL 342**; BUS 320; ECE 312**, 314**, 415; FCS 304, 320**, 324**, 326**; GERON 300**, 301, 302**; HCD 310; HEED 300; KINES 411, 418; NUTRI 300, 302, 330, 480;PE (one unit maximum) any CSU transferable course from: ADAPT, DANCE, FITNS, KINES 381, 382, PACT, SPORT, TMACT; PSYC 340**, 356**, 358, 360**, 370**, 374**, 390**, 392** (2 units), 410; SOC 310**, 312**, 335**, 341**, 344**

2015-16 Intersegmental General Education Transfer Curriculum (IGETC)
University of California or California State University

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.

Completion of ALL the requirements (full-certification) in the IGETC will permit a student who transfers from a community college to a campus in either the California State University or University of California system without the need, after transfer to take additional lower-division general education courses. Students must meet with a counselor to request the IGETC Certification. **All courses must be completed with a "C" grade or better.**

NOTE: The IGETC is NOT appropriate for certain majors and/or campuses. Please consult with a counselor.

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

Area 1- English Communication

For CSU – three courses required, one course from each area (1A, 1B and 1C)
For UC – two courses required, one from Areas 1A and one from 1B

1A - English Composition (one course, 3 units required)

ENGWR 300, 488

1B - Critical Thinking - English Composition (one course, 3 units required)

COMM 316; ENGWR 301, 302, 303, 482; PHIL 328; SOC 305

1C - Oral Communication – **CSU REQUIREMENT ONLY** (one course, 3 units required)

COMM 301, 311, 331, 361

Area 2 - Mathematical Concepts and Quantitative Reasoning (one course, 3 units required)

CISP 440; ECON 310; MATH 300, 350, 351, 370, 400, 401, 402, 410, 420; STAT 300, 480

Area 3 - Arts and Humanities (three courses, 9 units required)

Three courses with at least one from the Arts and one from Humanities.

3A - Arts

ARTH 300, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 330, 332, 334, 410, 484, 486, 487, 488; COMM 305; 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 310, 312, 314, 315, 320

3B - Humanities

ANTH 331**; ARTH 484; ENGLT 303, 304, 310, 311, 317, 320, 321, 327, 331, 332, 334, 335, 345, 346, 360, 365, 380, 392, 401, 403**, 480, 481; HIST 300, 302, 307**, 308**, 310**, 311**, 314**, 360**, 364, 365, 373, 375, 380**, 483**, 484**, 485**; HUM 300, 310, 332, 352; PHIL 300, 310, 330, 331, 333, 338, 352, 353, 368, 480, 481; SILA 315, 316; SPAN 415, 425, 427; TAFILM 307

Foreign Languages: CANT 411, 412; FREN 411, 412; GERM 411, 412; JAPAN 411, 412; MAND 411, 412; RUSS 411, 412; SPAN 411, 412, 415

Area 4 (Area 4A-4J in ASSIST) – **Social and Behavioral Sciences** (three courses, 9 units required)

Three courses from at least two disciplines.

NOTE: * Indicates that this course may not be used for AREA 4 if the course is used for CSU U.S. History, Constitution, and American Ideals requirement.

ANTH 310, 315, 317, 320, 323, 331**, 332, 334, 341, 481; BUS 345; COMM 321, 325, 351; ECE 312, 314; ECON 302, 304; ENGWR 384; FCS 320, 324, 326; GEOG 302, 310, 320, GERON 300, 302 ; HIST 307, 308, 309, 310*, 311*, 314, 320*, 321*, 344, 360**, 375, 380**, 483*, 484*, 485; JOUR 310, 320; POLS 301*, 302, 303, 304*, 310, 312, 313, 320, 322, 340, 480, 481*; PSYC 300, 316, 320, 335, 340, 352, 356, 360, 364, 367, 370, 374, 390, 480; SILA 330; SOC 300, 301, 302, 310, 312, 321, 335, 341, 343, 344, 345, 350, 480; SOCSC 300, 320, 325, 330, 332, 335, 336, 350, 352

Area 5 - Physical and Biological Sciences (two courses, 7-9 units required)

One Physical Science course and one Biological Science course; at least one course must include a related laboratory which is designated with an **(L)**. The lecture course must be taken concurrently with or prior to the laboratory.

	5A - Physical Science ASTR 310, 320, 330, 400 (L only); CHEM 300 (L), 305 (L), 306 (L), 309 (L), 320 (L), 330 (L), 336 (L), 400 (L), 401 (L), 410 (L), 420 (L), 421 (L), 425 (L), 426 (L); GEOG 300, 301 (L only), 305, 306, 308; GEOL 302 (L), 305, 306 (L only), 308, 310, 311 (L only), 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), 314, 315 (L only), 326, 327(L), 342, 350, 370 (L), 402 (L), 412 (L), 422 (L), 430 (L), 431 (L), 434, 440 (L); PSYC 310, 311 (L only)
	5C - Laboratory Activity (any course from 5A or 5B with a "L" or "L only designation).

AREA 6 Language Other Than English – (UC REQUIREMENT ONLY)

Completion of a college level foreign language course or higher:

ARABIC 401, 402; **CANT** 401; 402, 411, 412; **FREN** 401, 402, 411, 412; **GERM** 401, 402, 411, 412; **ITAL** 401, 402; **JAPAN** 401, 402, 411, 412; **KOREAN** 401, 402; **MAND** 401, 402, 411, 412; **PNJABI** 401, **PNJABI** 402; **PRSIAN** 401, 402; **RUSS** 401, 402, 411, 412; **SPAN** 401, 402, 411, 412, 413, 415; **TGLG** 401, 402; **VIET** 401, and **VIET** 402

OR **SILA** 305, 306, 315, 316

OR completion of two years of the same foreign language in high school level work with a grade of "C" or better

OR 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.)

OR earn a score of 3 or higher on the foreign Language Advanced Placement test

OR 550 on the college Board Achievement Test in Foreign Language

(NOT PART OF IGETC)

CSU Graduation Requirement in U.S. History, Constitution, and American Ideals, may be completed prior to transfer

Six units required, choose one two-course combination from section 1 or 2:

1. **POLS** 301 or 481 ***-PLUS-*** **HIST** 310 or 311or 320 or 321 or 483 or 484

or

2. **HIST** 310 or 320 or 483 ***-PLUS-*** **HIST** 311 or 321 or 484 or **POLS** 301 or 304 or 481

College Personnel

Administrators and Senior Leadership Members 433
Classified 435
Faculty 440

Administrators and Senior Leadership Members

Code of Ethics

The administrators at Sacramento City College (SCC) join our community of faculty, classified staff, and students in demonstrating the core values of SCC — working together, pursuing excellence, and inspiring achievement.

We pledge to:

- conduct ourselves in a professional manner that is open and free of unlawful discrimination and harassment of any kind,
- invite participation and promote cooperation, trust, problem-solving, and positive interpersonal relationships,
- assume accountability for the development, implementation, and outcomes of decisions we make on behalf of the SCC and the Los Rios Community College District; and
- make data-informed decisions with the ultimate goal of promoting the highest standards of student learning and success.

Approved April 2015

College President	Kathryn E. Jeffery, Ph.D.
Vice Presidents	
Administration	Laduan Smedley
Instruction	Mary K. Turner, Ed.D.
Student Services	Michael C. Poindexter
Associate Vice Presidents	
Economic and Workforce Development	Gabriel Meehan
Enrollment and Student Services	Debra J. Luff, Ed.D.
General Education and Outreach Programs	Julia Jolly
Deans	
Advanced Technology	Donnetta Webb
Behavioral and Social Sciences	Carl-Petter Sjovold, Ph.D., Interim
Business and Computer Information Science	Deborah L. Saks, Ph.D.
Counseling and Student Success	Kimberly McDaniel, Ph.D.
Davis Center	Donald Palm
Financial Aid and Student Services	Christine V. Hernandez
Humanities and Fine Arts	Chris R. Iwata
Information Technology	Elaine Ader, Ph.D.
Kinesiology, Health, and Athletics	Mitchell L. Campbell
Language and Literature	Albert Garcia, Ed.D.
Learning Resources	Jesus (Frank) Malaret, Interim
Mathematics/Statistics and Engineering	Anne E. Licciardi
Planning, Research, and Institutional Effectiveness	Marybeth Buechner, Ph.D.
Science and Allied Health	James Collins, J.D.
West Sacramento Center	Art Pimentel
Additional Senior Leadership Members	
Administrative Services Director	Gregory L. Hayman
College Advancement Director	Mary M. Leland
College Store Manager	Randy Clem
Communications and Public Information Officer	Rick Brewer
Los Rios Police Captain	Valerie Cox
Nursing Program Director	Dale Cohen

Administrators

Ader, Elaine R. (2001)
Dean, Information Technology
B.A., Brooklyn College
M.A., Ph.D., University of Michigan

Buechner, Marybeth (2009)
Dean, Planning, Research, and Institutional Effectiveness
B.S., Ball State University
Ph.D., University of California, Davis

Campbell, Mitchell L. (2007)
Dean, Kinesiology, Health and Athletics
B.S., University of California, Davis
M.A., Humboldt State University

Clem, Randy (1999)
Director/Manager College Store
A.A. Cosumnes River College

Cohen, Dale (1981)
Academic Director/Nursing Program
B.S., M.S., University of Illinois

Collins, James (2005)
Dean, Science and Allied Health
B.A., University of Arizona (History/Chemistry)
M.A., University of Arizona
J.D., University of Pacific, McGeorge, Sacramento

Garcia, Albert J. (1991)
Dean, Language and Literature
B.A., California State University, Chico
M.F.A., University of Montana
Ed.D., Benedictine University

Hayman, Greg (2006)
Director, Administrative Services
B.S., University of Toledo
M.A., Ball State University

Hernandez, Christine V. (2011)
Dean, Financial Aid and Student Services
A.A., Cerro Coso community College
B.A., California State University, Bakersfield
M.A., Pepperdine University

Iwata, Chris R. (1982)
Dean, Humanities and Fine Arts
B.A., M.A., California State University, Northridge

Jeffery, Kathryn E. (2008)
President
B.M.E., Oklahoma State University, Music (Piano/Voice)
M.S., Oklahoma State University, Behavioral Studies in Education (Counseling)
Ph.D., University of Texas at Austin, Education Administration (CCLP)

Jolly, Julia A. (1988)
Associate Vice President, Instruction, General Education and Outreach Programs
B.A., University of Oregon
M.A., University of California, Davis

Leland, Mary (2001)
Director II, College Advancement
B.A., Sam Houston State University
M.Ed., Baylor College of Medicine and
University of Houston (Joint Program of Study)

Licciardi, Anne E. (1999)
Dean, Mathematics/Statistics and Engineering
B.A., M.A., Rhode Island College

Luff, Debra J. (2000)
Associate Vice President, Enrollment and Student Services
A.S., North Country Community College
B.S., Russell Sage College
M.S., Syracuse University
Ed.D., University of the Pacific

Malaret, Jesus F. (1998)
Interim Dean, Learning Recourses
B.A., University of Texas
M.A., California State University, Sacramento

McDaniel, Kimberly (2013)
Dean, Counseling and Student Success
B.A., University of California, Berkeley
M.A., California State University, Northridge
Ph.D., University of Southern California

Meehan, Gabriel (2014)
Associate Vice President, Instruction, Economics & Workforce Development
B.A., University College, Galway, Ireland
M.A., California State University, Sacramento

Palm, Donald R. (2001)
Dean, Davis Center
B.A., University of Washington
M.A., San Francisco State University

Pimentel, Art (2014)
Dean, West Sacramento Center
B.A., M.A., California State University, Sacramento

Poindexter, Michael (2006)
Vice President, Student Services
B.A., Creighton University
M.Ed., University of Northern Iowa

Saks, Deborah (2012)
Dean, Business and Computer Information Science Division
B.S., M.B.A., Ph.D., Indiana University

Smedley, Laduan (2014)
Vice President, Administrative Services
B.A., National University
M.B.A., Golden Gate University

Sjovold, Carl-Petter (2001)
Interim Dean, Behavioral and Social Sciences
Certificate, Online Instruction, Cerro Coso College
B.A., University of California, Berkeley
M.A., Ph.D., University of California, Davis

Turner, Mary K. (1985)
Vice President, Instruction
A.A.S., Hawkeye Institute of Technology
B.S., M.S., University of Missouri at Kansas City
Ed.D., Argosy University

Webb, Donnetta (2005)
Dean, Advanced Technology
B.A., St Mary Woods, IN
M.S., University of Nebraska, Lincoln NE

Classified Code of Ethics

Preamble:

We, the members of the Classified Senate of Sacramento City College, in cooperation with faculty and administrators, provide students with the support needed to achieve an excellent educational experience. Sacramento City College is an egalitarian institution committed to the principle that "higher education will be available to every person who can benefit." Our purpose is to assist directly or indirectly with the needs of students and be sensitive to creating an environment conducive to this objective.

To reach this goal, the following Code of Ethics has been adopted by the Classified Senate on behalf of all classified staff. We are guided by the maxim: SERVICE, PRIDE, PROFESSIONALISM.

Code of Ethics

1. Devote time, thought and study to duties and responsibilities so that, as a Sacramento City College employee, we may render effective and credible service.
2. Base our decisions upon all available facts in each situation; vote our honest conviction in every case, unswayed by biases of any kind; abide by and uphold the majority decision of the Senate.
3. Welcome and encourage the active cooperation of the students, staff, faculty, administrators and public with respect to establishing policy on current and future college operations.
4. Provide equal treatment and respect to all college community members and take pride in extending our professional expertise within our designated field to the college community.
5. Recognize that unwelcome attention toward any member of the campus community is not permissible and shall not be condoned.
6. Encourage involvement in the college community by participating in campus committees, activities, and other affiliations.
7. Maintain integrity in all aspects of service.
8. Promote an exchange of information and communication with employee organizations, Associated Students, Academic Senate and administration.
9. Promote the institution's mission of Working Together, Pursuing Excellence, and Inspiring Achievement.

Classified

Adams, Steven
Custodial Services

Adamovich, Sarah
West Sacramento Center

Adan, Alexander D.
Learning Resources Division

Alexander, Almorris A.
Custodial Services

Anderson, Tanya
High School Outreach & Recruitment

Arguello, Javier
Financial Aid

Arashiro, Nancy
EOP&S

Bailey, Scott
Humanities and Fine Arts Division

Bain, Rebecca
College and Community Relations

Bates, Rukiya
Financial Aid

Beale, Barbara
Science and Allied Health Division

Belmares, Sandra
Enrollment and Student Services

Bender, Eduard
Custodial Services

Benedychuk, Vasyl
Information Technology

Bhatia, Gurpreet
West Sacramento Center

Bogan, Quarmaine
Counseling Services

Brewer, Rick
Communications and Public Information Officer

Briggs, Melissa
Learning Resource Division

Brushchenko, Aleksandr
Custodial Services

Buckner, Brenda
Operations
A.A., General Education, Sacramento City College
B.S. Business Administration, California State University, Sacramento

Burks, Robert
City Café

Burbano, Jarom
Information Technology

Callaghan, James
Advanced Technology

Castelle, Michael A.
Custodial Services

Catania, Anthony
College Store

Chekmarev, Vladimir
Custodial Services

Chekmareva, Anna
Learning Resources Division

Chewning, Karen D.
Operations

Childress, Creed T.
Advanced Technology Division

Christenson, Laurie
Business and Computer Information Science Division

Chu, Madeline
Business and Computer Information Science Division

Chu, Jennifer
EOP&S

Ciddio, Josephine
Custodial Services

Clinger, Richard W.
Humanities and Fine Arts Division

Cobian, Ramona V.
CalWorks

Colbert, Anthony
Custodial Services

Coles, Linda
Business and Computer Information Science Division

Conger, Tami
Advanced Technology Division

Cotton, Vincent
Custodial Services

Cover, James
Custodial Services

Cox, Valerie
Police Captain
B.A., English, University of California, Davis
M.B.A., Business Administration, University of Phoenix

Crankfield, Jr., Varnell
Science and Allied Health Division

Cross, Dolores
Learning Resource Center

Cull, Jay L.
Planning/Research

Dalske, Aurora
DSP&S

Daly, Catherine
Learning Resources Division

Danenberg, Anne
Planning and Research

Daniels, Daniels
Information Technology

Davis, Rueben
Kinesiology, Health, Athletics Division

DeCamp, Christine
Instructional Services

D'Cruz, Margaret
Business and Computer Information Science Division

DeNigris, Robert C.
Duplicating Services

Divanyan, Andranik
Information Technology

Dodge, Tammi
Davis Center

Dolan, Mary T.
Instructional Services

Dorn, Kathleen A.
EOP&S

Drake, Tatsuno C.
Duplicating Services

Duong, Phuong
City Cafe

Duques-Acacio, Melba L.
Financial Aid Office

Epling, David
City Cafe

Eyanson, Sarah
Business and Computer Information Science Division

Facciuto, Meghan
Learning Resources Division

Flood, Margaret
Science and Allied Health Division

Florez, Robert D.
Custodial Services

Fong, Brandon
High School Outreach & Recruitment

Fong, Miriam F.
Humanities & Fine Arts Division

Foreman, Alisa,
Financial Aid

Foster, Cassandra
DSPS-Disability Resource Center

Fredricks, Donald W.
Custodial Services

Fuller, Dorothy Ann
Financial Aid

Gage, Charlene
Learning Resources Division

Galang, Andrea
Planning/Research

Gano, Dana
Business Office

Garcia, Coral D.
Business Office

Garcia, Lisa
Child Development Center
A.A., American River College
B.A., National University
M.A., California State University, Sacramento

Garza, Delissa G.
EOP&S

George, Margaret A.
Learning Resources Division

Gibbs, Ashley
Health Services

Gilchrist, Sharon
Financial Aid

Gitonga, Michelle
Mathematics/Statistics & Engineering Division

Glenn, Ryan
Disability Resource Center

Goff, Kimberly M.
Admissions and Records

Goff, Martha E.
Science and Allied Health Division

Goldberg, Sherri B.
Assessment
B.S.W., California State University Sacramento
M.S., University of La Verne
Adults with Learning Disabilities Graduate Certificate, California State University Sacramento

Griffin, Jennifer L.
Humanities and Fine Arts Division

Hale, Gary C.
Custodial Services

Hamilton, Terri A.
Humanities and Fine Arts Division

Hanamoto, Claire M.
Science and Allied Health Division

Hans, Janice
Language and Literature Division

Hart, Craig
Matriculation & Student Development

Hart, Nannette
Mathematics/Statistics & Engineering Division

Harvey, Michael D.
Receiving

Heidelberg, Courtney
Admissions and Records

Heidt, Jr., Robert F.
Business Office
Business Services Supervisor
B.A., San Diego State University

Heisleman, Robert B.
Information & Orientation

Hibbard, Linda J.
Disability Resource Center

Hickey, Vivian
Financial Aid

Hill, James
Learning Resource Division

Hirkala, Carmen
Science and Allied Health Division

Horse, Rena
Behavioral & Social Science Division

Huang, Meini
Davis Center

Hunter, Leland
West Sacramento Center

Irwin, Kelly R.
Information Technology

Iwamasa, Debra K.
Financial Aid

Jackson, David
Kinesiology, Health, and Athletics Division

Jakab, Alena
Custodial Services

Jamie Chavez, Beatrice
Humanities and Fine Arts Division

Jean-Gilles, Reginald
Financial Aid

Jimenez, Mayra J.
International Students

Johnson, Donna B.
Transfer Center

Jones, Jr., Roosevelt
Advanced Technology Division

Juge, Jr., Joseph R.
Custodial Services

Kading, Kevin
Advanced Technology Division

Kattan, Jacob
Admissions and Records

Kearney, Michael
Admissions and Records

Kelly, Robert D.
Information Technology

Kenny, Charles L.
College Store

Kinoshita, Naomi
Learning Resource Division

Knowles, Deborah
Counseling Services
A.A., Dramatic Arts, San Joaquin Delta College
B.A., Psychology, California State University Chico
M.A., Career Development, John F Kennedy University
Master Career Counselor, National Career Development Association

Kozikowska, Barbara L.
Business Office

Kozikowski, Jacek I.
Davis Center

Kryuchkov, Vladimir
Financial Aid

Kwong, Daniel
Information Technology

Lagat, Charito
Financial Aid

Lam, Peter
Information Technology

Larsen, Rachel
College and Community Relations

Langenour, Hunter
Operations

Ledet, Shawn
Learning Resources Division

Lee, Crystal
Public Information Office

Lee, Jennifer
Learning Resource Division

Lee, Linda
Assessment

Lepper, Haley
Instructional Services

Levy, Blanche R.
Admissions and Records

Lind, Steven
Custodial Services

Lodzhanskiy, Natalya
West Sacramento Center

Loeza, Regina
Science and Allied Health Division

Love, Ann
College and Community Relations

Love, Laura
Kinesiology, Health, and Athletics Division

Lund, Mary
Kinesiology, Health, and Athletics Division

Lusk, Kellie
City Café

Lynch, Elizabeth
Kinesiology, Health, and Athletics Division

Mack, Courtnee
Admissions and Records

Maghanoy, Jr., Restituto M.
Duplicating Services

Marsant, Irina
Assessment

Martin, David H.
Learning Resources Division

McAnelly, Blair
EOP&S

McManus, Rhonda A.
Counseling Services

Melkonyan, Gegham
Mathematics/Statistics and Engineering Division

Melo, Louisa
Operations

Mendoza-Marin, Margarita
Behavioral & Social Science Division

Michael, Kristie
Administrative Services

Miranda, Jonathan
Financial Aid

Mishra, Ashmeeta
West Sacramento Center

Montgomery, Michie
Learning Resources Division

Moore, Valerie
RISE Program

Morgan, Barbara
Learning Resource Division

Moskalyuk, Olga V.
Counseling

Morrison, Pamela
President's Office

Moua, Lee
Information & Orientation

Murillo, Catherine
Learning Resources Division

Nakano, Quinn
Reprographics

Nguyen, Ha Thi Tinh
Learning Resources Division

Nguyen, My
Child Development Center

Nguyen, William Son
Business and Computer Information Science Division

Ochoa, Ruth M.
Language and Literature Division

Olafemi, Kevin
Custodial Services

Oldham, Robert
Science and Allied Health Division

Olender, Nanci L.
Learning Resources Division

Osorio, Eduardo C.
Admissions and Records

Osterholt, Stephen
Business and Computer Information Science Division

Pair, Gerald W.
Custodial Services

Papke, Larry
Advanced Technology Division

Parra, Andrea C.
Advanced Technology Division

Petcan, Vicorica
Mathematics/Statistics & Engineering Division

Perez, Cristina
College Store

Perry, Marilyn Keefe
Instructional Services

Pham, Ly
Custodial Services

Phillips, Catherine
Financial Aid

Poole, Ashley
Financial Aid & Student Services

Pulskamp, Cailin
Financial Aid

Radcliff, Toni L.
Custodial Services

Ramirez, Yolanda
Career Center

Rain, Luka
Language and Literature Division

Raught, David J.
College Store

Rendon, Elva
Instructional Services

Retter, Evelyn
Davis Center

Reyes, Laura
Admissions and Records

Reyes-Quillin, Rocio
Learning Resources Division

Roach, Patrick
Custodial Services

Robertson, Maurice C.
Custodial Services

Robertson, Velisa
CalWORKs

Robinson, Shakeya
Business Office

Romani, Annette
Learning Resources Division

Rose, Rosa
Matriculation & Student Services

Ruchko, Tatyana
Financial Aid

Rud, Yelena
Financial Aid

Ruiz, Alicia
Counseling Services

Ruiz, Maria
Counseling Services

Ruiz, Ruben I.
Financial Aid

Rust, America
Admissions and Records

Ryan, Judith
Reprographics

Sagaydak, Elena
College Store

Sakaishi, Mitchell
Learning Resources Division

Salem, Hermenio
City Café

Sanders, Juanita E.
Disability Resource Center

Schwedler, Jennifer
Information Technology

Sekikawa, Allison S.
Graphic Impressions
Reprographics Supervisor
B.A., California State University, Chico

Shoffner, David A.
Custodial Services

Sholomytska, Nina
Mathematics/Statistics & Engineering Division

Sieler, Gary W.
Custodial Services

Silva, Donald T.
Information Technology

Singleton, Juliana
Instructional Services

Sivell, Nicole C.
Humanities and Fine Arts Division

Smith, Indya
Child Development Center / Behavioral & Social Science Division

Smithson, Pamela K.
Custodial Services

Solorio, Jeanette R.
Financial Aid Office

Solorio, Stephanie
Counseling

Souza, Monica M.
International Student Center

Stagner, Elaine R.
Disability Resource Center

Sterken, Dale D.
Language and Literature Division

Takeda, Andrea
Graphic Impressions

Tang, Kenneth
Advanced Technology Division

Taylor, Elisher
Workability III

Teh, Peng (Hendrick) A.
Information Technology

Temple, Jude
Kinesiology, Health, and Athletics Division

Thao, Cha P.
Information Technology

Thao, Michael
Science and Allied Health Division

Thornton, Crystal
Language and Literature Division

Torres, Christopher
Student Leadership and Development

Tracy, Heather
Kinesiology, Health, and Athletics Division

Tran, Danh
Custodial Services

Tran, Minh
CalWORKs

Tran, Ngoc-Hau (Sharlene)
Assessment

Tran, Trang
Business Services

Tsang, Jeremy
Information Technology

Tutunik, Valeriy
Learning Resources Division

Umphred, Kandy D.
Admissions and Records

Valverde, Tracey A.
Learning Resources Division

Vang, Fong
DSP&S

Vaughn, Starlette
Language and Literature Division

Vazquez, Luz
Davis Center

Velez, Hannia
Instructional Services

Vincent, Anthony
Custodial Services

Viracola, Marcia J.
Child Development Center

Virdure, Amy
Operations

Wattier, Taunya
Administrative Services

Webb, Kevin
Learning Resources Division

Weller, Diane Y.
College Store

White, Douglas
Custodial Services

Whittington, David J.
Kinesiology, Health, and Athletics Division

Wilkins, Regina
Student Services

Williams, Kevin
Information Technology

Wolf, Gary L.
Custodial Services

Wong, Laura E.
Admissions and Records

Wong, Laura S.
Admissions and Records

Wright, Amy
Custodial Services

Wyckoff, Tyler
Staff Resource Center

Xiong, Pinky
Graphic Impressions

Yakubovskaya, Zhanna
Financial Aid

Yamamoto, Valerie
Science and Allied Health Division

Yang, May
Cooperative Work Experience

Zakaryan, Ruzanna
Admissions and Records

Zanardelli, Marina
Disability Resource Center

Zavala, Manual M.
Custodial Services

Faculty

Faculty Code of Ethics

Preamble:
The following is a statement defining some areas of ethical behavior towards students by faculty. It is based on discussions held at a workshop for faculty and staff in the spring of 1987. The Equity Committee unanimously passed the following statement. This statement has been endorsed by the Faculty Senate and sent to all members of the faculty and to all administrators as a statement of professional standards.\

1. Recognizing that, at times, students will offer us gifts or favors, we must be aware of potential implications. Acceptance of such offerings should be avoided.
2. Recognizing that student sensitivities must be respected, we must appreciate that remarks based on gender, race, religious or ethnic group, physical handicap or sexual orientation are inappropriate in the classroom environment.
3. Recognizing that instructors are concerned with the welfare of students and that students will, at times, wish to share information of a personal nature, it is appropriate for faculty to listen sympathetically to students but not to elicit, reveal or exploit confidential information.
4. Recognizing that while amorous relationships are appropriate in other circumstances, we accept that such relationships are always inappropriate when they occur between any faculty member and his or her student. Further, such relationships may have the effect of undermining the atmosphere of trust on which the educational process depends. Implicit in the idea of professionalism is the recognition by those in positions of authority that in their relationships with students there is always an element of power. It is incumbent upon those with authority, not to abuse, nor appear to abuse, the power with which they are entrusted.
5. Recognizing that under certain circumstances touching students may be appropriate, we acknowledge that sexual touching of a student by an instructor is never appropriate.
6. Professional interaction between students and instructors should always take place in an academic setting.
7. Instructors should never engage in nor condone sexual harassment. In the academic context, the term "sexual harassment" may be used to describe a wide range of behavior. The fundamental element is the unwelcomed personal attention by an instructor who is in a position to determine a student's grade or student employment or otherwise affect the student's academic performance or professional future.

Faculty Statement of Professional Ethics

I. Faculty members, guided by a deep conviction of the worth and dignity of the advancement of knowledge, recognize the special responsibilities placed upon them. Their primary responsibility to their subjects is to seek and to state the truth as they see it. To this end they devote their energies to developing and improving their scholarly and teaching competence. They accept the obligation to exercise critical self-discipline and judgment in using, extending and transmitting knowledge. They practice intellectual honesty. Although they may follow subsidiary interests, these interests must never seriously hamper or compromise their freedom of inquiry.

II. As teachers, faculty members encourage the free pursuit of learning in their students. They hold before them the best scholarly standards of their discipline. They demonstrate respect for the student as an individual and adhere to their proper role as intellectual guides and counselors. They make every reasonable effort to foster honest academic conduct and to assure that their evaluation of students reflects their true merit. They respect the confidential nature of the relationship between faculty member and student. They avoid any exploitation of students for their private advantage and acknowledge significant assistance from them. They protect their academic freedom.

III. As colleagues, faculty members have obligations that derive from common membership in the community of scholars. They respect and defend the free inquiry of their associates. In the exchange of criticism and ideas they show due respect for the opinions of others. They acknowledge their academic debts and strive to be objective in their professional judgment of colleagues. They accept their share of faculty responsibilities for the governance of their institution.

IV. As members of their institution, faculty members seek above all to be effective teachers and scholars. Although they observe the stated regulations of the institution, provided they do not contravene academic freedom, they maintain their right to criticize and seek revision. They determine the amount and character of the work they do outside their institution with due regard to their paramount responsibilities within it. When considering the interruption or termination of their service, they recognize the effect of their decision upon the program of the institution and give due notice of their intentions.

V. As members of their community, faculty members have the rights and obligations of any citizen. They measure the urgency of these obligations in the light of their responsibilities to their subject, to their students, to their profession and to their institution. When they speak or act as private persons, they avoid creating the impression that they speak or act for their college or university. As citizens engaged in a profession that depends upon freedom for its health and integrity, faculty members have a particular obligation to promote conditions of free inquiry and to further public understanding of academic freedom.

Academic Freedom

A faculty member's ability to make professional judgments related to teaching unaffected by pressures from a political or social climate lies at the heart of academic freedom. The importance of this freedom is highlighted where all members of the academic community are committed to recognizing and celebrating the uniqueness of each of its members.

Academic freedom at Sacramento City College is essential for the fulfillment of the educational mission of the college and for the ability of faculty members to perform their professional duties. In addition, academic freedom ensures faculty members' rights and obligations of professional protection, autonomy, and responsibility.

Faculty members shall be protected from censorship, restraint, or dismissal in their ability to study, investigate, present, interpret, or discuss the relevant facts and ideas within the assigned curriculum and outline. They shall also be protected from extraneous considerations such as a faculty member's gender, gender identity, ethnicity, race, religion, political beliefs or affiliation, sexual orientation, or disability being considered in evaluations of professional performance.

Faculty members have the principal right and responsibility to determine the methods of instruction, the planning and presentation of course materials, and the fair and equitable methods of assessment in their assignment in accordance with the approved curriculum and course outline, the educational mission of the college and with state laws and regulations.

All faculty members shall provide a classroom environment that is conducive to student learning, growth, and development in which students are free from discrimination, prejudice, and harassment and in which students are free to express relevant ideas and opinions. They shall also clearly differentiate for students the expression of that faculty member's personal opinions or convictions from the objective presentation of theory, fact or ideas.

Faculty

Ackerman, Alexis L. (2005)
Biology (Animal Biology)
B.A., Barnard College / Columbia University, New York
M.S., Ph.D., University of California, Davis

Allen, Randy K. (2014)
Photography/Journalism
A.A., Sacramento City College

Allender, Julia (2014)
Kinesiology, Health, and Athletics
A.A., San Jose City College
B.S., Southern Utah University
M.S., A.T. Still University

Allred, Mary-Susan (1994)
Counselor
B.A., University of the Pacific
Masters of Counseling, Idaho State University

Alviar-Agnew, Marisa (2007)
Chemistry
B.S., University of the Philippines
M.S., Ph.D., University of California, Davis

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 +)

Angel, Jodi (2014)
English
B.A., M.A., University of California, Davis

Arnold, Darlene M. (1996)
Cosmetology
A.A., Sacramento City College
B.S., Southern Illinois University

Arya, Palwasha (2008)
Biology
B.A., California State University, Hayward
M.S., California State University, Sacramento

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

Barfield, Annette C. (1989)
Counselor
A.A., Sacramento City College
B.A., M.S., California State University, Sacramento

Bauduin, Lisa A. (1992)
Kinesiology, Health, and Athletics
B.S., North Dakota State University

Beadles, Lynnette (2014)
Occupational Therapy Assistant
B.A., College of St. Catherine

Belair, Diane M. (2004)
Counselor
M.S., Oregon State University/Western Oregon State College

Bennett, Dianne A. (2001)
Chemistry
B.S., California State University, Sacramento
Ph.D., University of California, Berkeley

Beyrer, Kimberlee D. (1999)
Coordinator, Student Leadership & Development
B.A., University of California, San Diego
M.Ed., Oregon State University
Phi Theta Kappa Leadership Development Studies Certification

Blair, Deborah M. (1988)
Kinesiology, Health, and Athletics
A.A., Ventura Junior College
B.A., California State University, Sacramento
M.A., University of LaVerne (Counseling)

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

Bonawitz, Marcia C. (2000)
Cosmetology
A.A., A.S., Sacramento City College
B.S., Southern Illinois University

Brar, Rubal A. (2014)
Counselor
B.S., M.S., California State University, Sacramento

Bryant, Deborah M. (1987)
Mathematics
B.A., California State University, Chico
M.A., California State University, Sacramento
Ed.D., Argosy University, San Francisco

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

Burrell, Karen I. (2008)
Reading
B.S., Michigan State University
M.Ed., Texas State University, San Marcos
J.D., University of Michigan

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

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

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

Castaneda, Denise (2007)
Reading
B.A., University of California, Davis
M.A., California State University, Sacramento

Cerri, Dominic A. (2006)
History
B.A., M.A., California State University, Sacramento
Ph.D., University of Wisconsin, Madison

Cervin, Richard S. (2001)
English As A Second Language
B.A., California State University, Fullerton
A.M., Ph.D., University of Illinois
TESOL Certificate

Chen, Shu (2002)
Librarian
B.A., Nanjing Normal University
M.A., Southern Illinois
M.L.I.S., University of Texas, Austin

Chenu-Campbell, Catherine (1981)
Librarian
B.A., University of California, Davis
M.S., Columbia University

Chevraux-FitzHugh, Adrian (2008)
Sociology
B.A., M.A., Humboldt State University

Christian, Jeffrey J. (2007)
College Nurse
B.S.N., P.H.N., University of San Francisco
M.S.N., School Nurse Credential, California State University Sacramento

Chubbic, Dena (2007)
Chemistry
B.S., Azusa Pacific University
M.S., University of California, Los Angeles

Church, Kimberley (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

Cisneros, Tami. (2012)
Nursing
Certificate, A.A., Sacramento City College
B.S.N., University of Phoenix
M.S.N., University of California, Davis

Clark, Bonnie (2014)
Nursing
Certificate, California State University, Sacramento
A.D.N., Utah State University
B.S.N., California State University, Los Angeles
M.A., Archaeology University of California, Los Angeles

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., California State University, Sacramento

Crumpton, Debra J. (2009)
Business
B.A., University of Puget Sound, Tacoma
M.B.A., Golden Gate University

Cypret, Phillip B. (1984)
Aeronautics
A.S., Sacramento City College
B.S., Southern Illinois University
M.S., National University

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

Daubert, Christopher D. (2001)
Art
B.A., M.A., California State University, San Jose
M.F.A., University of California, Davis

Davis, Craig A. (2000)
Geography
B.S., University Nebraska at Omaha
M.A., University of Kansas

Davis, Tony P. (2009)
Counseling
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

Dennis, Mark (2014)
Psychology
B.A., M.S., University of South Alabama

Dewar Jr., Robert E. (2004)
Kinesiology, Health, and Athletics
B.A., California State University, Stanislaus
M.A., University of Phoenix

Dixon, Michael A. (1990)
Computer Information Science
B.S., California State University, Chico
M.S., National University

Doersch, Ann D. (2002)
English
B.A., M.A., Stanford University
M.A., California State University, Sacramento

Doonan, William F. (1999)
Anthropology
B.A., Brown University
M.A., Ph.D., Tulane University

Douglass, Bruce M. (1997)
Computer Information Science
B.S.C.S., B.S.E.E., M.E., M.E.A., University of Utah, Salt Lake City
Certified Data Processor

Duvall, Melvin (1983)
Electronics Technology
A.A., Sacramento City College
B.A., California State University, Sacramento
FCC – General Radiotelephone License
Movonics Co. – Understanding and Troubleshooting Microprocessors – Certificate
Cal State Polytechnic University, Pomona-NARDA School of Service Management – Certificate

Estabrook, Paul (2007)
Photography
A.A., Sacramento City College

Fabionar, David E. O. (2002)
Communication
B.S., M.A., California State University, Sacramento

Fasman, Lyudmilla (2005)
Mathematics
B.S., M.A., San Francisco State University

Fellman, Melissa (2011)
Dental Health
B.S.D.H, Loma Linda University, CA
M.P.H, University of Nevada,

Fitzpatrick, Kenneth E. (1999)
Engineering Design Technology
B.S., Oakland University
Licensed Mechanical Engineering, State of California

Foley, Jo-Ann C. (1999)
Family and Consumer Science
B.S., University of California, Davis
M.A.Ed., University of San Francisco

Fonda, Gioia (2008)
Art Paint/Draw
B.F.A., California College of Arts
M.F.A., School of Visual Arts, New York

Forrester, Elizabeth V. (2000)
Philosophy
A.B., Cedar Crest College
M.A., California State University, Sacramento
M.A., Ph.D., University of California, Davis

Frank, Paul E. (2001)
Political Science
B.A., California State University, Fresno
M.A., Northeastern University
Ph.D., Boston University

Freas, Adam (2008)
Counselor, EOP&S
B.A., M.S., California State University, Sacramento

Fujikawa, Lynn W. (2009)
Nursing
A.D.N., Sierra College
B.S., University of Southern California
M.P.A., California State University, Hayward
M.S.N., California State University, Sacramento
Clinical Nurse Specialist

Gambrell, Deborah M. (2008)
Counselor, General
A.A., Allan Hancock College
M.A., B.A., California Polytechnic State University, San Luis Obispo

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

Gilbert-Valencia, Daniel (2013)
Coordinator, Instructional Development
Certificate, Sacramento City College
B.A., University of California, San Diego
M.S., Ed.D., Drexel University

Gilley, Shannon R. (2007)
Counselor
B.S., Texas A & M University
M.S., California State University, Sacramento

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

Gomez, Tracey L. (2010)
Reading
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

Gore, Robert W. (1996)
Theatre Arts & Film
B.A., California State University, Fresno
M.F.A., California State University, Fullerton
Apple Certified Trainer

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

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, Stony Brook

Guzman, Sandra (2013)
Counselor
B.A., California State University, Chico
M.A., University of San Francisco

Haag, Janis L. (1993)
Journalism/English
B.A., M.A., California State University, Sacramento

Hadsell, Jory (2006)
Distance Education Coordinator
A.A., Sierra College
B.B.A., Jones International University
M.P.A., National University, La Jolla
Ed.D., Drexel University

Hagerty, David D. (2002)
Human Career Development (Learning Strategies)
B.A., Vassar College
M.S., California State University, Hayward

Handy, Mae Frances (Fran) (2005)
Cosmetology
A.A., San Jose City College
A.A., Sacramento 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

Harbison, Mark (2002)
Mathematics
B.A., University of California, Davis
M.A., San Diego State University

Harris, Patricia A. (2005)
Physical Therapist Assistant Program
B.A., University of California, Berkeley
M.S., Long Island University, New York

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

Hawthorne, Julie A. (1989)
Communication/English
A.A., Santa Barbara City College
B.A., University of California, Santa Barbara
M.A., California State University, Sacramento

Heimer, Dianne L. (1997)
English/Journalism
B.A., San Diego State
M.A., California State University, Sacramento

Henderson, Victoria (1998)
Coordinator, Cultural Awareness Center
B.S., M.S.W., Western Michigan University
M.S.H.R., American 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

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

Hogarty, Patrick J. (2000)
Computer Information Science/Business
B.S., California State University, Sacramento
M.A., California State University, Monterey Bay

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

Hunter, Mark A. (2014)
Mathematics
A.A., Cosumnes River College
B.A., St. Martin's College
M.S., Western Washington University, Bellingham

Hunter, Michael J. (1990)
Geography
A.A., Sacramento City College
B.A., M.A., University of California, Davis

Hussey, Susan M. (1995)
Allied Health/Coordinator, Recruitment and Retention
B.S., Santa Clara University
M.S., San Jose State University
Certified, National Board for Certification in Occupational Therapy

Ikegami, Robin U. (1999)
English
B.A., M.A., California State University, Sacramento
Ph.D., University of Michigan

Iley II, William H. (2003)
Physics
B.S., M.A., University of California, Davis

Iredale, Michael J. (2015)
Nursing
A.S.N, Sacramento City College
B.S., M.S.N., University of Phoenix

Ishchuk, Alexandr (2015)
Chemistry
B.S., Ph.D, University of California, Davis

Jackson, Brenda L. (2008)
Nursing
A.D.N., Denver Community College
B.S.N., Metropolitan State College
M.S.N., University of Phoenix

Jackson, Sally-Anne (2008)
English
A.A., Central Piedmont Community College, Charlotte
B.A., M.A., California State University, San Bernardino
Ph.D., University of California, Riverside

James, Stephen C. (2001)
Biology
A.A., Glendale Community College
B.A., University of California, Santa Barbara
M.S., California State University, Sacramento

Janssen, Kristine (2000)
Counselor
A.A., Yuba Community College
B.A., California State University, Sacramento
M.A., University of San Francisco

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, Judy A. (2002)
Nursing
A.A., El Camino College
M.S.N., B.S.N., California State University, Los Angeles

Johnson, Lawrence F. (1999)
Aeronautics
A.S., Chaffey College
B.S., California State Polytechnic University, Pomona

Johnson, Mai-Gemu D. (1993)
Coordinator, MESA/CCCP
A.A., Sacramento City College
B.S., Arcadia University, Nova Scotia, Canada
M.A., California State University, Sacramento

Jones, Andrew B. (2001)
Kinesiology, Health, and Athletics
B.A., University of California, Berkeley
M.S., California State University, Sacramento

Jovanovic, Angelia (1991)
Counselor
B.A., University of Wisconsin, Madison
M.S., Marquette University

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

Keys, Alan S. (2000)
Instructor/Coordinator, Psychology/ Research
B.A., California State University, Northridge
M.A., Ph.D., University of California, Los Angeles

Kidrick, Valerie A. (2000)
Art History
B.A., M.A., University of Utah
Ph.D., University of Iowa

Kiernan, Timothy C. (1991)
Kinesiology, Health, and Athletics
A.A., American River College
B.S., M.A., Central Michigan University

King, Adrienne M. (1992)
English
B.A., Hampton Institute
M.Ed., Miami University (Ohio)
Ed.D., University of San Francisco
Reading Specialist Credential

Kirkpatrick, Nadine (2009)
Nutrition
B.S., Ph.D., University of California, Davis

Kloumova, Irina (1999)
Mathematics
M.A., Moscow State University

Knable, Robert D. (1989)
Music
B.M., University of Southern California
M.M., University of Arizona

Knorr, Jeffrey, S. (2001)
English
B.A., M.A., California State University, Chico

Krofchock, Bryan M. (2014)
Computer Information Science
B.S., M.S., Georgia State University

Kumar, Shishir (1999)
Electronics Technology
B.S., Brigham Young University

LaChica, Juan (1976)
Counselor
B.A., University of California, Davis
M.S., University of Southern California

Lambert, Angelena (2007)
Mathematics
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

Lawson, Douglas R. (2000)
Theatre Arts
B.A., California State University, Sacramento
M.F.A., University of California, Davis

Leonard, Duane (2013)
English as a Second Language
B.A., University of New Brunswick, Saint John
M.A., Ph.D., University of California, Davis

Lewis, Ann (2001)
English
A.S., Yuba College
B.A., University of California, Davis
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

Loomis, Debora A. (1994)
English As A Second Language
B.A., M.S., M.A., California State University, Sacramento

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

Maloney, Lori A. (1988)
Mathematics
A.A., Santa Rosa Junior College
B.A., San Francisco State University
M.A., University of California, Davis

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

Marchi, Annemarie (2015)
Nursing
B.S.N, California State University, Long Beach
M.S.N, Chamberlain College of Nursing, Chicago

Marks, Carrie S. (2013)
English
A.B., Harvard College
M.A., Middlebury College

Martensen, Carol B.G. (2000)
Coordinator, Mathematics Laboratory
A.B., University of California, Berkeley
M.S., New York University, Courant Institute

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)

McDonald, Patrick J. (2002)
Mathematics
B.A., California State University, Fullerton
M.A., California State University, Sacramento

McKee, Georgeann M. (1996)
Administration of Justice
A.A., Sacramento City College
B.A., National University
J.D., Lincoln Law School, Sacramento

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

Meyer, Virginia C. (1996)
Biology
A.A., College of the Redwoods
A.B., Humboldt State University
M.S., California State University, Sacramento
Clinical Laboratory Technologist License, California
Ph.D., University of California, Davis

Miller, Nicholas (2007)
Sociology
B.A., Pacific University, Forest Grove
M.A., University of California, Davis

Miller, Scott J. (2010)
Aeronautics
B.S., San Jose State University, San Jose
M.S., Embry-Riddle Aeronautical University, Daytona Beach

Miller, William JW. (2000)
Chemistry
B.S., University of Delaware
Ph.D., University of California, Davis

Miner, Thomas E. (1991)
English
Certificate, English As A Second Language
B.A., University of Connecticut
M.A., SUNY, Albany

Minter, Carol D. (2000)
Dental Health
A.S., Cuyahoga Community College
B.S., California State University, Sacramento

Mom, Brian (2014)
Business Law/Business
B.A., M.B.A, St, Mary's College of CA

Muraki, Keith T. (1991)
Counselor
B.S.W., M.S.W., San Francisco State

Muther, Shantra H. (2008)
English As A Second Language
B.A., University of California, Davis
M.A., California State University, Sacramento

Myers, Troy A. (1999)
English
B.A., M.A., California State University, Long Beach

Naganuma, Kenneth H. (1990)
Biology
B.A., University of California, Los Angeles
M.S., Ph.D., Stanford University

Nash, Laurie J. (2003)
Kinesiology
A.A., American River College
B.A., California State Polytechnic University, Pomona
M.A., California State University, Sacramento

Newman, Forrest L. (1992)
Physics
A.A., American River College
B.S., University of California, Davis
M.A., University of California, Berkeley
Ph.D., University of California, Davis

Ng, Wang, C. (1997)
Electronics Technology
A.A., Sacramento City College
B.S., M.S., Ph.D., University of California, Davis
M.S., California State University, Chico
Registered Professional Engineer (P.E.), California

Ngai, Tsz Yan P. (2014)
Mathematics
B.S., University of California, Davis
M.A., California State University, Sacramento

Nuss, Linda M. (2002)
Chemistry
B.S., M.S., University of California, Riverside
M.A., National University

Nuttall, Gabriella G. (2005)
English As A Second Language
B.A., Universita degli Studi, Lecce, Italy
M.A., California State University, Sacramento

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)
Reading
B.A., California State University, Los Angeles
M.A., Ph.D., University of California, Davis

Pacheco, David B. (1999)
Kinesiology
A.A., Sacramento City College
B.A., Idaho State University
M.S., California State University, Sacramento

Parker, Leslie A. (2005)
Counselor, Learning Disabilities Specialist
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, Marcus H. (1991)
English
B.A., M.A., California State University, Sacramento

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

Petite, Lori M. (2008)
Communication
A.A., American River College
B.A., M.A, California State University, Sacramento

Phillips, Joseph H. (1988)
Mathematics
A.A., American River College
B.A., California State University, Chico
M.S., Iowa State University

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

Pitman, Gayle E. (2001)
Psychology
B.A., Tufts University
M.A., Ph.D., California School of Professional Psychology, Alameda

Poe, Kathleen (2006)
Music
B.M., M.M., California State University, Sacramento

Polagruto, John (2006)
Nutrition
B.S., M.S., University of Massachusetts, Amherst

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

Quandt, Timothy (2013)
Philosophy
B.A., M.A., Taylor University
Ph.D., Claremont Graduate University

Randolph, Melodi L. (2009)
Dental Health
A.A., Bethany Bible College
Dental Assistant Certificate, Western Career College
B.A., M.Ed., Ashford University

Rangel, Makeba (2007)
Reading
B.S., California State University, Portland
M.A., University of California, Riverside
M.A., California State University, San Bernardino

Redmond, Patti, A. (1989)
Communication
A.A., A.S., Imperial Valley College
B.A., California State University, Long Beach
M.A., Pepperdine University

Regalado, Maria C. (2005)
Psychology
A.S., Yuba College
B.A., M.A., Ph.D., California State University, Sacramento

Reynolds, Linda K. (1988)
Marketing
B.S., M.B.A., California State University, Sacramento

Richard, Loretta (2014)
Tutoring
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

Rishard, Truman A. (2001)
Accounting
B.S., University of San Francisco
M.B.A., Golden Gate University

Roberts, Joshua (2006)
English
B.A., Credential
M.A., California State University, Sacramento

Robinson, Mary A. (1998)
Librarian
B.A., University of California, Santa Barbara
M.A., M.L.S., University of Arizona
M.A., University of Hawaii

Rodriguez, Irma (2006)
Coordinator, EOP&S
A.A., San Joaquin Delta
B.A., University of California, Davis
M.S.W., University of California, Berkeley

Roffey, Robin A. (1997)
Biology
A.A., Santa Fe Community College
B.S., University of Florida
Ph.D., Ohio State University

Romero, Danny A. (2003)
English
B.A., University of California, Berkeley
M.A., Temple University

Rose, Gregory S. (1989)
Economics
B.A., University of California, Irvine
M.A., University of California, Davis

Rosenberger, Randy E. (1991)
Mathematics
B.S., California State University, Dominguez Hills
M.S., California State University, Los Angeles

Ruedas, Sandra R. (2001)
Counselor, EOP&S
A.A., Sacramento City College
B.A., M.S., California State University, Sacramento
Pupil Personnel Services Credential

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, Geraldine (2001)
Counselor
A.A., College of San Mateo
B.A., M.S., San Francisco State University

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

Severson, Michael L. (1996)
Communication
B.A., California State University, Stanislaus
M.A., California State University, Fresno

Sheppard, Laurie C. (2000)
Nursing
B.S.N., San Diego State University
M.S.N., San Jose State University

Shiflet, Kurt (2006)
Music
Music Performance, Guitar Institute of Technology, Hollywood
B.M., M.A., California State University, Sacramento

Silcox, S. Travis (1998)
English
B.A., Pitzer College
M.F.A., University of California, Irvine
M.A., Ph.D., University of California, Santa Cruz

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

Smedley, Lauri J. (1999)
Business/Computer Information Science
A.A., Cosumnes River College
B.V.E., California State University, Sacramento
M.S., Golden Gate University, Sacramento

Spangler, Rachel I. (2005)
Reading
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

Stein, Shanna (2008)
Accounting
A.A., American River College
B.S., M.S., California State University, Sacramento

Steward, Mary M. (2001)
English
B.S., M.Ed., University of Missouri

Strella, Cheryl L. (2008)
Nursing
B.S.N., California State University

Strimling, Amy (2006)
Family Consumer Science/Early Childhood Education
A.A., American River College
B.A., M.A., California State University, Sacramento

Styer, Daniel L. (2003)
Engineering
B.S., California State University, Sacramento
Ph.D., University of California, Davis

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

Tambert, Roxanne R. (1997)
Cosmetology
A.A., Sacramento City College
B.A., Southern Illinois University

Tanghetti, Rosamaria (2008)
History
B.A., University of California, Los Angeles
M.A., Stanford University
Ph.D., University of California, Davis

Taylor, Timothy K. (1998)
Computer Information Science
A.A., American River College
B.A., Brigham Young University
B.S., M.Ed., California State University, Sacramento
Cisco Certified Academy Instructor
CPA University of Illinois

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

Thomas-Val, Jacinth P. (2001)
English
B.A., University of the Virgin Islands
M.A., Andrews University
M.A., Ph.D., University of Illinois

Thompson, Irwin Scott (2014)
Physical Therapist Assistant
B.S., Springfield College
M.S., University of Puget Sound

Times, Kenneth J. (2008)
Counselor, EOP&S
B.A., Howard University
M.S., California State University, Sacramento

Toupadakis, Barbara (2006)
English As A Second Language
B.S., University of Maine, Orono
M.A., University of Iowa

Tracy, Gwyneth J. (2005)
DSPS Coordinator/Counselor
B.A., California State University, Hayward
M.A., Washington State University
Ed.D., Oregon State University

Triphon, Joann E. (1998)
Associate Degree Nursing
A.D.N., Chabot College
B.S.N., M.S.N., California State University, Sacramento
Ed.D., California State University, Sacramento

Tromborg, Chris T. (2002)
Psychology
B.A., B.S., M.A., California State University, San Francisco
M.A., Ph.D., University of California, Davis

Trujillo, David (2008)
Administration of Justice
B.A., M.S., California State University, Sacramento

VanSickle, Debra L. (1990)
Mathematics
B.A., M.A.T., University of California, Davis

Villanueva, Maria C. (2007)
Counselor
B.A., California State University, Stanislaus
M.S., California State University, Sacramento

Vrechek, Jean A. (1985)
Mathematics
B.S., University of Illinois
M.A., San Jose State University

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

Walker, Norman M. (2001)
Mathematics
B.S., M.A., University of California, Davis

Wang, Hsiao J. (1989)
Mathematics
B.A., National Taiwan University
M.S., California State University, Fresno

Waxman, Robyn M. (1999)
Graphic Communication
B.S., University of Delaware
M.F.A., California College of the Arts

Webster, Mark K. (2004)
Mathematics
B.A., M.S., San Jose State University

Wei, Timothy T. (2001)
Computer Information Science
B.S., Cheng Kung University, Taiwan
M.S., University of California, Berkeley

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

Williams, Gayle K. (2010)
Accounting
B.A., M.B.A., University of Washington, Seattle

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

Wyatt, David T. (1998)
Biology
A.S., American River College
B.S., M.S., California State University, Sacramento

Wydick, Derrick C. (1999)
Counselor/Coordinator, Workability III Program (Categorical)
M.A., California State University, Chico
M.A., Chapman University, Sacramento

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

Yang, Richard (1997)
Counselor
B.A., M.S., California State University, Sacramento

Zamora, Frank (1991)
Art
B.S., M.A., Bob Jones University
M.F.A., Claremont Graduate School

Zannakis, Amanda (1997)
Computer Information Science
B.S., M.S., California State University, Sacramento

Zeh, Jonathan (2006)
Mechanical-Electrical Technology
A.S., Sacramento City College

Zenner, Bruce D. (1998)
Chemistry
B.A., University of California, Santa Cruz
Ph.D., University of California, Davis

Zuercher, Connie A. (1989)
Kinesiology
B.A., University of California, Davis

Faculty
Listing by Division

Division of Advanced Technology
Allen, Randy K.
Arnold, Darlene
Bonawitz, Marcia
Buonauro, John
Button, Donald
Capaletti, Thomas
Crandley, Patrick
Cypret, Phillip
Duvall, Melvin
Estabrook, Paul
Fitzpatrick, Kenneth
Handy, Mae Frances (Fran)
Johnson, Lawrence
Kumar, Shishir
Miller, Scott
Ng, Wang
Olivarez, Norma
Seddon, Christopher
Tambert, Roxanne
Waxman, Robyn
Wong, Peter
Zeh, Jonathan

Division of Behavioral and Social Science
Austin, Grace
Bahhur, Riad
Block, Angela
Cerri, Dominic
Chevraux-FitzHugh, Adrian
Coppola, Jessica
Davis, Craig
Dennis, Mark
Doonan, William
Foley, Jo-Ann
Frank, Paul
Giovannetti, Lynne
Gould, Kelly L.
Graybill, Stuart
Heningburg, Keith
Hunter, Michael
Johnson, Ilana
Keys, Alan
Kirkpatrick, Nadine
Lindell, Pamela
Lorenz, Norman
McKee, Georgeann
Miller, Nicholas
Patton, Sherri
Perry, Laurie
Piscopo, Holly
Pitman, Gayle
Polagruto, John
Regalado, Maria
Strimling, Amy
Tanghetti, Rosamaria
Tedla, Dagne
Tromborg, Chris
Trujillo, David
Whipple, Charles
Xiao, Alex H.

Division of Business and Computer Information Science
Anderson, Kevin
Camarena, Sandra
Costello, Linda D.
Crumpton, Debra J.
Dixon, Michael
Douglass, Bruce
Hogarty, Patrick
Krofchock, Bryan M.
Little, Myra (Sheley)
Mom, Brian
Parks, Karen
Pease, Dyan
Reynolds, Linda
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Zannakis, Amanda

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Belair, Diane M.
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Brar, Rubal A.
Bui, Dinh
Christian, Jeffrey J.
Cornelius, Victoria
Davis, Tony P.
Freas, Adam
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Gomez, Wendy
Gonzalez, Mauricio
Guzman, Sandra
Hagerty, David
Harvey, Jonathan
Henderson, Victoria
Hodge, Tracey
Janssen, Kristine
Jovanovic, Angelia
LaChica, Juan
Muraki, Keith
Parker, Leslie
Rodriguez, Irma
Ruedas, Sandra
Scott, Geraldine
Times, Kenneth
Tracy, Gwyneth
Villanueva, Maria C.
Williams, Nichelle
Wydick, Derrick
Yang, Richard

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Boguski, Mark
Church, Kim
Clark, Kevin
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Fabionar, David
Fonda, Gioia
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Gore, Robert
Hanson, Luther
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Zamora, Frank

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Bauduin, Lisa
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Jones, Andrew
Kiernan, Timothy
Nash, Laurie
Oh, Jang-Ha
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Walker, Dannie
Zuercher, Connie

Division of Language and Literature
Angel, Jodi
Burrell, Karen I.
Castaneda, Denise
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Doersch, Ann
Gary, Lara
Gomez, Tracey
Haag, Janis
Hanson, Jon
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Heimer, Dianne
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Kawamura, Sandra
King, Adrienne
Knorr, Jeffrey
Leonard, Duane
Lewis, Ann
Loomis, Debora
Marks, Carrie S.
Miner, Thomas
Muther, Shantra
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Thomas-Val, Jacinth
Toupadakis, Barbara
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Karlsen, Jeffrey
Posz, Pamela
Richard, Loretta
Robinson, Mary Ann
Tercho, Karen
Woolley, Nicole

Division of Mathematics/ Statistics & Engineering
Bryant, Deborah
Deglow, Annette
Fasman, Lyudmilla (Lucy)
Gonzales, Stephen
Harbison, Mark
Hunter, Mark A.
Johnson, Mai-Gemu
Kloumova, Irina
Lambert, Angelena
Larson, Carillon
Maloney, Lori
Manriquez, Paul
Martensen, Carol
Martinez, Jesus
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May, Virginia
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Medina, Renee
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Ngai, Tsz Yan P.
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Steever, Joseph
Styer, Daniel
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Walker, Norman
Wang, Hsiao
Webster, Mark K.
Woodmansee, Rick

Division of Science and Allied Health
Ackerman, Alexis
Alviar-Agnew Marisa
Arya, Palwasha
Beadles, Lynnette
Bennett, Diane
Carberry-Goh, Karen
Chubbic, Dena
Cisneros, Tami
Clark, Bonnie
Cohen, Dale
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DeGennaro, Paul
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Fujikawa, Lynn
Greenwell, Andrea
Harris, Patricia A.
Hoerl, Ada B.
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Holt, Julie
Huang, Ling
Hussey, Susan
Iley II, William
Iredale, Michael J.
Ishchuk, Alexandr
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James, Stephen
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Johnson, Judy
Lane, Tammie R.
Lucien, Darreis
Manuel, Mara L.
Marchi, Annemarie
McDaid, Liam
Meyer, Virginia
Miller, William
Minter, Carol
Naganuma, Kenneth
Newman, Forrest
Nuss, Linda
Randolph, Melodi L.
Richardson, Michael
Roffey, Robin
Sarte, Jaime
Serafini, Lisa
Sheppard, Laurie
Siu, Jennifer
Stanton, Kathryn J.
Strella, Cheryl
Thompson, Irwin Scott
Triphon, Joann
Wagner, Glennda
Wyatt, David
Zenner, Bruce

Glossary of College Terms

The following is offered as an explanation of common terms used at Sacramento City College and other community colleges and universities:

ADVISORIES: recommended courses and/or skill levels to meet prior to enrolling in the course or program to ensure success.

ASSESSMENT TEST: Assessment tests are used to recommend English, English-as-a-Second Language (ESL) and Math classes. These classes are prerequisites to many classes and are required as part of an AA/AS Degree or transfer program. For these reasons, students should have these Assessment results before seeing a counselor.

A.A., ASSOCIATE IN ARTS: a general degree granted by California Community Colleges.

A.S., ASSOCIATE IN SCIENCE: a general degree granted by California Community Colleges with some having more emphasis on two-year career-technical training than the A.A. degree.

AA-T, ASSOCIATE IN ARTS FOR TRANSFER: a transfer degree granted by California Community Colleges designed to provide a clear pathway to a CSU major and baccalaureate degree

AS-T, ASSOCIATE IN SCIENCE FOR TRANSFER: a transfer degree granted by California Community Colleges designed to provide a clear pathway to a CSU major and baccalaureate degree

BACHELOR'S DEGREE: a degree granted by four-year colleges/universities, usually the Bachelor of Arts (B.A.) or the Bachelor of Science (B.S.).

CERTIFICATE OF ACHIEVEMENT: intended to certify that students completing all required courses for a major are prepared to enter the careers designated on their certificates. Certificates of Achievement require 12 units or more with grades of "C" or better in each course. A minimum of 12 units must be completed at Sacramento City College.

CERTIFICATES: intended to certify that students completing all required courses are prepared to meet specific occupational needs, upgrade skills, or for advancement in an existing career. Certificates require 11.5 units or less with grades of "C" or better in each course. The certificate requires completion of all courses listed in the Required Program of study.

CLASS SCHEDULE: the listing of courses with days, time, instructors, and room locations to be offered each semester.

COREQUISITE: a course in which a student is required to enroll at the same time as another course.

COUNSELOR: a trained faculty member assigned to assist students with academic, career, personal, and crisis intervention.

COURSE TRANSFERABLE TO: identifies the transfer status of a course to the University of California (UC) and/or California State University (CSU) systems.

CREDIT GRADING: a course for which units and a letter grade are granted.

ELECTIVES: courses elected by the student that do not fulfill a major or general education requirement but provide units toward the degree.

ENROLLMENT LIMITATION: courses, skill level, or other requirements a student must meet prior to enrollment in a course or program.

GENERAL EDUCATION: certain group of courses required of all degree candidates regardless of their major. These differ for the A.A. and A.S. degrees and for transfer.

GRADE POINT AVERAGE (G.P.A.): the average grade of all units attempted by a student.

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC): Completion of all the requirements in the Intersegmental General Education Transfer Curriculum will permit a student who transfers from a community college to a campus in either the California State University or University of California systems to satisfy that university's lower-division general education requirements prior to transfer.

LOWER DIVISION: the first two years of college work, i.e., freshman and sophomore years and/or courses.

MAJOR: the major field of study a student plans to pursue, e.g., biology, nursing.

MATRICULATION: an agreement between the college and each student as to the steps both will take to help ensure the student succeeds.

MINOR: the field of study a student plans to pursue in addition to the major but with less emphasis. A minor is not required.

NON-CREDIT (UNGRADED): course for which no units are given.

PASS/NO PASS: a grading system allowing a course to be taken for Pass or No Pass rather than for a letter grade. A student will be granted Pass if a "C" grade or better is earned.

PREREQUISITE: a course or skill level a student must meet prior to enrollment in a course or program. If required, prerequisites are listed with the course description.

SEMESTER UNIT: In general, a semester unit represents one hour of lecture or three hours of laboratory per week for a semester. Most AA/AS degrees require a minimum of 60 semester units. One semester unit is equivalent to one and a half quarter units.

TRANSCRIPT OF RECORD: an official copy of a student's college record prepared by the Admissions and Records office.

UPPER DIVISION: the last two years of college work, i.e., junior and senior years and/or courses. Upper division courses are only offered at four-year colleges/universities.

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Notes

SACRAMENTO CITY COLLEGE

3835 Freeport Blvd.
Sacramento, CA 95822
www.scc.losrios.edu

- Parking Permit Machines (No daily parking permit machines in the parking structure)
- Bike Lockers
- Campus Directories
- Drop-Off Zone (no waiting)
- Emergency Phones
- Motorcycle Parking
- Parking Lot Entrances
- Parking Lot Entrances Only/ No Exit
- Parking Lot Exit Only/ No Entrance
- Parking for Persons with Disabilities
- Bus Stops
- Designated Smoking Area
- Unisex Restroom
- Electric Vehicle Charging Stations

BUS Business Building
Business Division - 213, Business Division Open Lab - 151, Business Student Center - 224, Computer Services, Learning Resources Academic Computing Lab - 152, Registration and Financial Aid Lab - 153

CDC Child Development Center
Classrooms, Preschool

CIC City Café

COS Cosmetology Building

CST College Store
Bookstore

DVS Davis Outreach Center
1720 Jade Street, Davis, CA 95616

FFA Fischbacher Fine Arts Building
Gregory Kondos Art Gallery, Art classes & Studios

HSP Hoos Swimming Pool
KHA (Kinesiology, Health and Athletics) classes, Intercollegiate Swimming and Water Polo

HUS Hughes Stadium
KHA (Kinesiology, Health and Athletics) classes, Intercollegiate Football, Track & Field and Soccer

LIH Lillard Hall
Science classes

LRC Learning Resource Center
First Floor: Distance Education and Instructional Development, Instruct. Media and Computing, Media Production & Services, Learning Skills and Tutoring Center, Staff Resource Center -106
Second Floor: Library, Library Reference Desk
Third Floor: Special Collections Room (Archives)

LRP Los Rios Police Department
Staff parking permits, lost and found, crime reports, Live Scan fingerprinting, bicycle and property Registration, Employee IDs

LUC Lusk Center
Engineering and Math Classes, Mechanical-Electrical Technology Department

MOH Mohr Hall
Mohr Hall Lab, Nursing Department - 16, Occupational Therapy Department, Science & Allied Health Division - 18

NOG North Gymnasium
Life Fitness Center, Gymansiums

OPS Operations
Keys, Facility Use and Rentals, Facilities Repair/Maintenance Coordination

PAC Performing Arts Center
Art Court Theatre, Little Theatre, Main Stage, DSPS, Classrooms, Music

PAS Parking Structure

REP Reprographics
Duplicating, Graphic Impressions

RHN Rodda Hall - North
First floor: Admissions & Records, Business Services Office, Dean of Counseling and Student Success - 111, EOPS/CARE, Financial Aid, Information & Orientation, Counseling Area: Career Center, Counseling, Health Center, International Student Center, Transfer Center, Work Experience.
Second Floor: Behavioral and Social Sciences Division - 226, Vice President of Administrative Services - 269, Vice President of Instruction - 257, Vice President of Student Services - 272, College Advancement/Scholarships/ Foundation - 222, Planning, Research & Institutional Effectiveness - 221, President's & Public Information Offices - 277
Third Floor: Photography Department & Studio

RHS Rodda Hall - South
First Floor: Dental Clinic, Math Lab, MESA, Math Classrooms, Math Faculty Offices
Second Floor: Language & Literature Division
Third Floor: ESL Center, Reading Lab
Fourth Floor/Rooftop: Observatory

SOC Softball Complex

SOG South Gymnasium
Associated Student Government - 226, Humanities & Fine Arts Division - 129, Math, Statistics & Engineering Division - 220, Matriculation, AV President of Enrollment and Student Services - 226, Student Leadership & Development - 226

STC Student Center
Cultural Awareness Center

STS Student Services
Under construction until January 2015

TEC Technology
Mac CAD Lab, GCOM classes

T01 Temporary 1
CalWorks

T03 Temporary 3
Journalism Department & classrooms

T04 Temporary 4
classrooms

T05 Temporary 5
RISE

T06 Temporary 6
classrooms

T07 Temporary 7
classrooms

T08 Temporary 8
Disabled Students, Assessment Testing

T09 Temporary 9
Workability

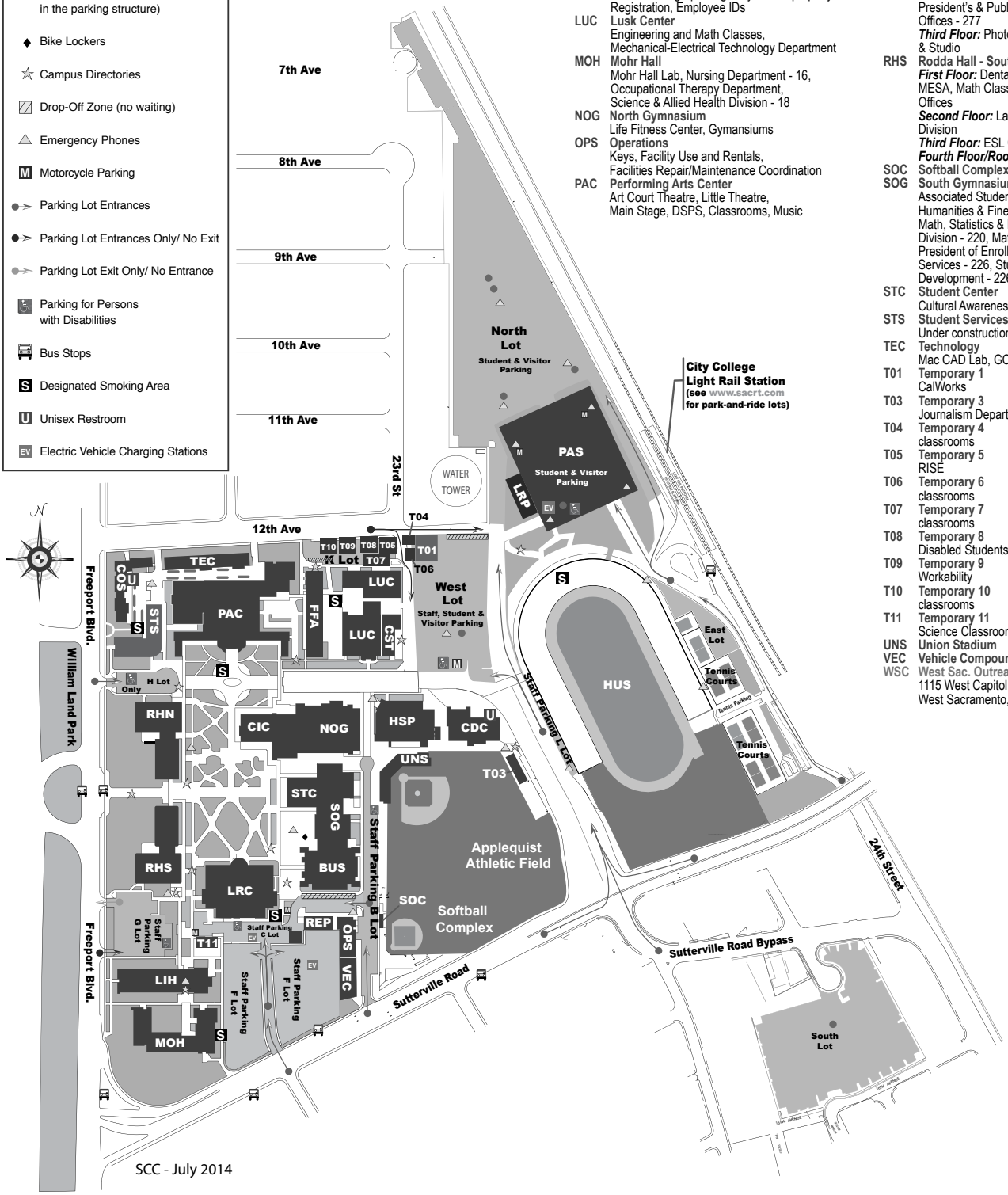
T10 Temporary 10
classrooms

T11 Temporary 11
Science Classroom

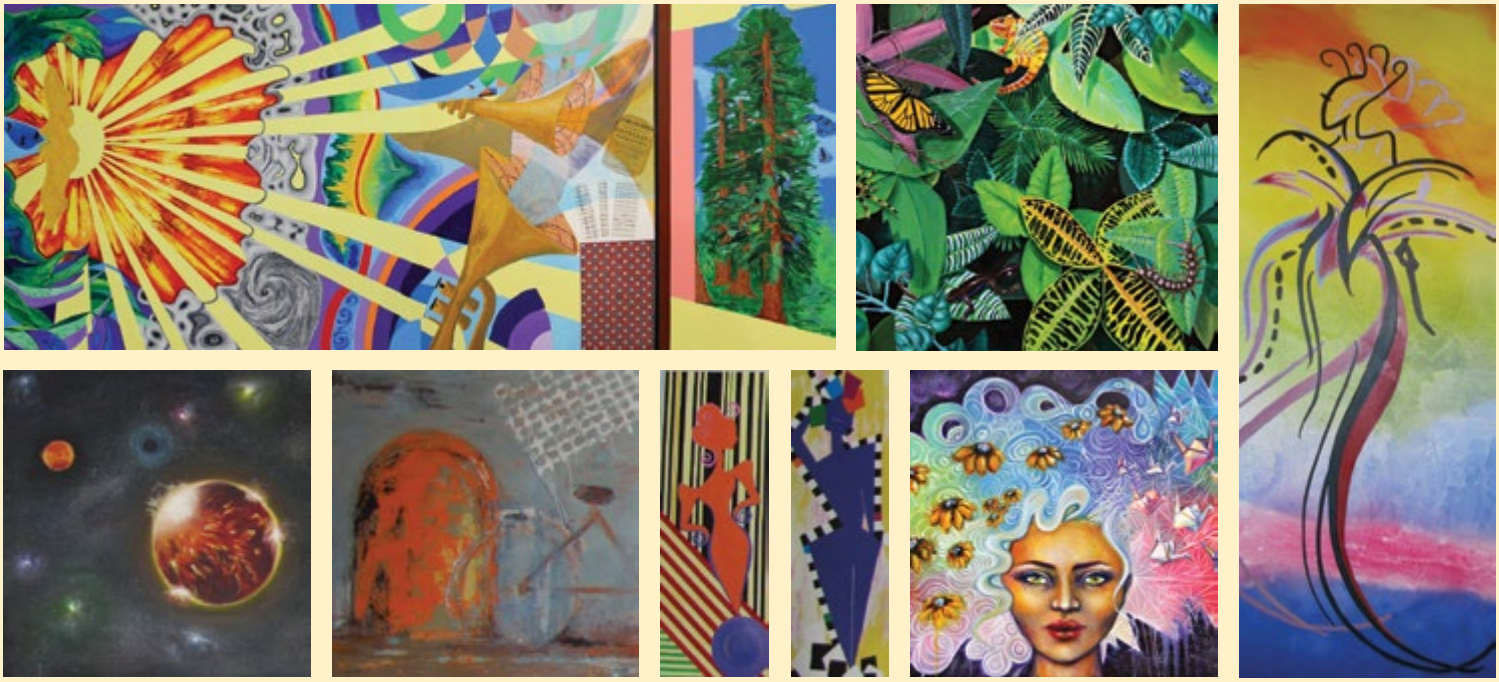
UNS Union Stadium

VEC Vehicle Compound

WSC West Sac. Outreach Center
1115 West Capitol Ave., West Sacramento, CA 95691



SCC - July 2014



SACRAMENTO CITY COLLEGE seeks to create a learning community that celebrates diversity, nurtures personal growth, and inspires academic and economic leadership.

Sacramento City College
3835 Freeport Boulevard
Sacramento, CA 95822-1386
Phone: 916 558-2111
www.scc.losrios.edu

Los Rios Community College District
1919 Spanos Court
Sacramento, CA 95825
www.losrios.edu