



# SACRAMENTO CITY COLLEGE

2019-2020 CATALOG





**Sacramento City College**  
3835 Freeport Boulevard  
Sacramento, California 95822  
**916-558-2111**  
[www.scc.losrios.edu](http://www.scc.losrios.edu)



### **Los Rios Community College District**

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

Dr. Brian King, Chancellor

### **2019-20 Board of Trustees**

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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. For the most current information, please check the SCC website (<http://www.scc.losrios.edu/catalog/>), or with Admissions, Counseling, or Instructional Services.

## President's Message



Welcome Panthers!

More than 100 years after our founding, Sacramento City College remains true to its mission to serve the community as an open-access, comprehensive college that serves a diverse student population. On this campus we celebrate diversity, nurture personal growth, and inspire academic and community leadership.

Just as we ask you to be leaders at the college, the college also commits to being a leader for you. We will engage in innovative learning and work to continue moving the college to the forefront of educational empowerment.

To that end, you will find a network of staff and faculty that stand ready to help you achieve your academic and personal goals. Take time to explore this catalog and all the information it has to offer on the degrees, certificates and classes available at our main campus, the Davis Center, and the West Sacramento Center. The information in this catalog

and much more, is available on the college website [www.scc.losrios.edu](http://www.scc.losrios.edu). If you find yourself with questions about your education goals or plan, the door is always open to counseling services where you can get one-on-one help and support.

I encourage you to experience all that City College has to offer you during your time with us. Let us help you explore the career paths open to you and guide you on your life path. From your first-year experience to transfer, certificate or graduation, City College is here to help you succeed!

Sincerely,

A handwritten signature in black ink that reads "Michael Gutierrez". The signature is fluid and cursive, with a large, stylized "M" at the beginning.

**Michael Gutierrez**  
**President**

## 2019-2020 Academic Calendar

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

### SUMMER SESSION 2019\*

Instruction Begins	June 10	Monday
Independence Day	July 4	Thursday
Instruction Ends	August 8	Thursday
Grades Due	August 12 35 Days	Monday

### FALL SEMESTER 2019\*

Instructional Improvement Days	August 22, 23	Thursday, Friday
Instruction Begins	August 24	Saturday
Labor Day Holiday	September 2	Monday
Census Date for Fall Semester Classes	September 9	Monday
Veterans Day	November 11	Monday
Last Day to Withdraw from Full Semester Classes	November 19	Tuesday
Thanksgiving Recess	Nov. 28-Dec 1	Thursday-Sunday
Finals	December 13-19	Friday-Thursday
End of Semester	December 19	Thursday
Winter Recess	Dec. 20 – Jan. 1	Friday-Wednesday
Grades Due	January 2 82 Days	Thursday

### SPRING SEMESTER 2020\*

Instructional Improvement Days	January 16-17	Thursday, Friday
Instruction Begins	January 18	Saturday
Dr. Martin Luther King, Jr. Day	January 20	Monday
Census Date for Spring Semester Classes	February 3	Monday
Lincoln Day	February 14	Friday
Washington Day	February 17	Monday
Spring Recess	April 6-12	Monday-Sunday
Last Day to Withdraw from Full Semester Classes	April 19	Sunday
Finals	May 14-20	Thursday-Wednesday
End of Semester	May 20	Wednesday
Memorial Day	May 25	Monday
Grades Due	May 27 82 Days	Wednesday

\*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 in compliance with the requirements of Title 5 of the California Code of Regulations, sections 58120 and 58142.*

### Quick Reference Contact Information

Admissions and Records	916-558-2351	<a href="mailto:Admissions@scc.losrios.edu">Admissions@scc.losrios.edu</a>
Assessment Appointments and Information	916-558-2541	<a href="mailto:assessment@scc.losrios.edu">assessment@scc.losrios.edu</a>
Business Services	916-558-2321	
College Store	916-558-2421	
Counseling Appointments	916-558-2204	<a href="mailto:counseling@scc.losrios.edu">counseling@scc.losrios.edu</a>
Health Office	916-558-2367	<a href="mailto:SCC-HealthServices@scc.losrios.edu">SCC-HealthServices@scc.losrios.edu</a>
Los Rios eServices	916-558-2351	<a href="mailto:Admissions@scc.losrios.edu">Admissions@scc.losrios.edu</a>
Los Rios Police Department	916-558-2221	

### Special Acknowledgment to

Marilyn Keefe Perry – Curriculum and Copy Coordination  
Graphic Impressions - Layout and Cover Design

## 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, room 106A, 916-558-2491**

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

### Behavioral and Social Sciences

**Kasey Gardner, Dean**

**Rodda Hall North, room 226, 916-558-2401**

Administration of Justice	Global Studies
Anthropology	History
Community Studies	Interdisciplinary Studies
Early Childhood Education	International Studies
Education/Teaching	Nutrition
Ethnic Studies	Political Science
Family and Consumer Science	Psychology
Fashion	Sociology
Geography	Women and Gender Studies
Gerontology	

### Business and Computer Information Science

**Deborah Saks, Dean**

**Business Building, room 213, 916-558-2581**

Accounting
Business
Computer Information Science
Customer Service
Economics
Entrepreneurship
Management
Marketing
Real Estate

### Counseling and Student Success

**Dr. Andre Coleman, Dean**

**Rodda Hall North, room 111, 916-558-2289**

Human Career Development
Work Experience and Internships

### Humanities and Fine Arts

**Chris Iwata, Dean**

**Performing Arts Center, room 137, 916-558-2551**

Art	Humanities
Art History	Music
Communication	Philosophy
Deaf Culture & American Sign Language	Theatre Arts
Foreign Languages	Theatre Arts Film
	Theatre Arts Performance

### Kinesiology, Health and Athletics

**Mitchell L. Campbell, Dean**

**Hughes Stadium, Section 1B, 916-558-2425**

Athletic Training
Athletics
Health Education
Kinesiology
Recreation

### Language and Literature

**Dr. Robin Ikegami, Dean**

**Rodda Hall South, room 226, 916-558-2325**

English
English as a Second Language
Journalism
Reading

### Learning Resources

**Kevin Flash, Dean**

**Learning Resources Center, room 236, 916-558-2253**

Human Services
Learning, Tutoring and Academic Technology
Library

### Mathematics/Statistics & Engineering

**Dr. Daniel Styer, Dean**

**Rodda Hall North, room 300, 916-558-2201**

Engineering
Mathematics
Statistics

### Support Services and Student Development

**To Be Announced, Vice President, Student Services**

**Rodda Hall North, room 272, 916-558-2141**

Community Leadership Development
Student Government

### Science and Allied Health

**James Collins, Dean**

**South Gym, room 220, 916-558-2271**

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

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## **About the College**

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## About the College

*Working Together • Pursuing Excellence • Inspiring Achievement*

### Founding

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 designed to foster the success of all students seeking transfer, career advancement, Associate degree and certificate attainment, basic skills development, and personal enrichment. Our commitment to continuous improvement through outcome-guided assessment, planning, and evaluation promotes student learning. Through these efforts, we contribute to the intellectual, cultural, and economic vitality of the community.

### Vision

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

### Values

Working Together  
Pursuing Excellence  
Inspiring Achievement

### College Goals, approved 2017

Goal A: Deliver programs and services that demonstrate a commitment to high quality teaching and learning in support of student success and achievement.

Goal B: Align processes and practices to assist students in moving from first enrollment to goal completion.

Goal C: Support employee engagement and organizational effectiveness by providing an excellent working environment.

Goal D: Provide a college environment that embraces equity and diversity and reduces disproportionate impacts between student populations.

Goal E: Enhance connections to the Sacramento region with a focus on serving the community, including meeting workforce needs.

### 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.

#### Institutional Learning Outcomes (ISLOs)

Upon completion of a course of study (degree or certificate) ACROSS PERSONAL, ACADEMIC, AND SOCIAL DOMAINS, a student will be able to . . .

- use effective reading and writing skills. (Written Communication)
- demonstrate growth and lifelong learning skills, including healthful living, effective speaking, cross-cultural sensitivity, and/or technological proficiency. (Life Competencies)
- use information resources effectively and analyze information using critical thinking, including problem solving, the examination of how personal ways of thinking influence reasoning, and/or the use of quantitative reasoning or methods. (Critical Thinking and Problem Solving)
- apply content knowledge, demonstrate fluency, and evaluate information within his or her course of study. (Depth of Knowledge)

Students completing degrees will have completed the ISLOs as part of the General Education courses (see GELOs). Students completing certificates will have completed the ISLOs as a part of their required courses for the certificate.

## **ADA Standard Operational Procedures**

It is the Los Rios District's policy to ensure that all ADA-compliant building entry doors function as intended. If any door is deemed inoperable, the District has an established and publicized policy for addressing the matter at: [http://www.losrios.edu/general\\_counsel/standardoperatingprocedure.php](http://www.losrios.edu/general_counsel/standardoperatingprocedure.php)

## **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 program 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 also was modernized in 2012, and the new Student Services complex, replacing the Student Services and Administration of Justice building, was completed in 2015.

In 2008, 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—it is the first community college to be located on a UC campus.

All 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. In Fall 2018, the second phase of the Davis Center was completed and opened for classes.

Looking ahead, the process to update the College's Facilities Master Plan (FMP) began in 2018, while work is occurring for projects included in the 2010 update. The updated FMP is expected to be completed in Spring 2019. Modernization of the Mohr Hall is underway and Lillard Hall will follow next. Included in the college's long-range plan is a new Science and Allied Health building adjacent to Mohr Hall. 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 and retraining, and they work closely with Yolo county school districts to help students make a successful move from high school to college.

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/](http://www.scc.losrios.edu/DavisCenter/)

The Davis Center got its start back in 1966 when Sacramento City College 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. 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. In 2018, a new building opened, doubling the classroom space and adding science labs to the Center. The Center offers 23 classrooms, including a computer lab and two science labs.

### **West Sacramento**

1115 West Capitol Avenue, West Sacramento, CA 95691

Information: 916-375-5511 | [www.scc.losrios.edu/WestSacCenter/](http://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.

## Sacramento City College Hispanic Serving Institution (HSI)

Sacramento City College is proud to be a designated Hispanic Serving Institution (HSI) by the United States Department of Education (DOE). The purpose of the HSI grants are to expand educational opportunities, improve the academic attainment of Hispanic and low-income students, expand and enhance academic offerings, program quality and promote institutional stability of colleges and universities that are educating the majority of Hispanic college students. Sacramento City College has two grants awarded under this designation.

Students in a Global Economy (SAGE) includes:

1. A first-year learning community experience with the theme of Global Economy for Hispanic/Latino students with culturally relevant curriculum to foster a broader global perspective in all academic areas
2. A SAGE Summer Experience to provide a short basic skills refresher and to orient students to the college culture and build a sense of familia to support their transition
3. Comprehensive career development that creates clear pathways for students in their chosen field of study with linked
4. Internship opportunities and mentorship that align with students educational and professional goals

SAGE is a U. S. Department of Education - A Developing Hispanic Institutions Title V Grant – 2015.

## STEM Equity and Success Initiative (SESI) includes:

1. To increase the number of Hispanic and low-income students attaining degrees in the fields of science, technology, engineering, and mathematics (STEM).
2. Outreach to K-12 community partners that includes, STEM career exploration, early college experiences and STEM Score assessment
3. A Summer Symposium program focused on preparing students for course placement that shortens time to program completion
4. Proactive case management student services approach that provides comprehensive support for participants from admission to graduation or program completion
5. Learning Community based program that provides authentic STEM experiences in a linked and contextualized learning environment
6. Mentoring that supports success of students throughout their time at SCC

SESI is a U.S. Department of Education, Hispanic-Serving Institutions STEM and Articulation Program Title III Grant – 2016.

## **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 District to implement policies 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 one or more of the following actual or perceived characteristics, or due to the association with a person or group with one or more of the following actual or perceived characteristics: ethnic group identification, race, color, sex, gender, gender identity, gender expression, pregnancy or childbirth-related condition, sexual orientation, sexual identity, religion or religious creed, age (over forty), national origin, ancestry, physical or mental disability, medical condition, political affiliation or belief, military and veteran status, marital status, or 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:**

Carrie Bray, Vice President, Administration ..... 916-558-2121

### **Disciplinary Officers:**

Kimberley McDaniel,  
Enrollment and Student Services ..... 916-558-2139  
Miguel Molina, Financial Aid and Student Success ..... 916-558-2438

### **Title IX Equity and Student Grievance:**

Dr. Andre Coleman, Dean  
Counseling and Student Success ..... 916-558-2289

## **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 admisión y participación 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 Office of Philanthropy**

The mission of the Sacramento City College Office of Philanthropy is twofold—to build philanthropic support for students and the college, and to invest in the students of Sacramento City College to help them achieve their aspirations through education.

SCC Office of Philanthropy manages giving opportunities and campaigns, including major gifts and planned giving, community partnerships, donor stewardship, scholarship programs, and alumni and emeriti programs to raise resources to support student success.

The SCC Office of Philanthropy is a subsidiary of the Los Rios Colleges Foundation, a 501(c)(3) public benefit corporation. The Los Rios Colleges Foundation is governed by a volunteer Board of Directors. The Board is comprised of community leaders dedicated to raising funds and implementing the programs of the Los Rios Colleges Foundation to further its mission.



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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 letter grade, or students may opt for the Pass "P" option. 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. Also see related information under Probation.

## **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 will be required to sit out the following semester. During that time the student may meet with a counselor and complete a readmission petition. Students may be readmitted with a modified unit load. Readmission Petitions must be submitted ten (10) days prior to the semester.

## **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.

## **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 <https://www.scc.losrios.edu/admissionsrecords/files/2014/01/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 5 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](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.

## 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@scc.losrios.edu](mailto:frankp@scc.losrios.edu)), Rodda Hall North, room 234), from the Behavioral and Social Sciences Division Office in Rodda Hall North, room 226, or from the Honors Program website at [www.scc.losrios.edu/honors](http://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.*

## 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 lawsuits from music or video publishers or their agents. 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](http://www.losrios.edu/legal/Policies/P-8000/P-8000.htm) and especially [www.losrios.edu/legal/Policies/P-8000/P-8861.pdf](http://www.losrios.edu/legal/Policies/P-8000/P-8861.pdf). 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](http://www.riaa.com).

## 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.

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. The student may be required to attend a fresh start workshop and meet with a success coach.

**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 the class hours for courses may be offered using the "To Be Arranged" (TBA) course scheduling option. Please refer to the class schedule listing for sections of courses for specific TBA weekly or daily class hour requirements that may apply.

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 <https://www.scc.losrios.edu/servicelearning/> or call 916-558-2237.

## **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.

Effective August 20, 2016, Sacramento City College prohibits the use of smoked tobacco products, smokeless tobacco products, and any electronic or non-electronic smoking device. This includes but is not limited to, cigarettes, cigars, hookah, snuff, chew, e-cigarettes, vaping etc., and is applicable at all indoor and outdoor Sacramento City College properties including the Main Campus, the Davis and West Sacramento Centers, McClellan, and vehicles owned or leased by the college, regardless of location. In parking lots, smoking is only allowed inside private vehicles. This standard applies to students, faculty, staff, and all other persons on campus, regardless of the purpose of their visit.

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 SCC Expectations of Student Behavior and Conduct brochure and Student Guide cover these procedures in more detail. For additional information about the disciplinary process, contact the Disciplinary Officers, Dr. Miguel Molina, Dean of Financial Aid and Student Services, 916-558-2438.

## **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: LRC 111, Office of the Student Grievance Officer, Dr. Andre Coleman, Dean of Counseling and Student Success, 916-558-2289.

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, RHN 277.

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, those days during winter break, spring break, and breaks before and after summer sessions shall not be counted as "days."

Student Grievance Officer: Dr. Andre Coleman, Dean of Counseling and Student Success, 916-558-2289, LRC 111, RHN 111.

The Student Grievance Officer 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 (RHN 177) and Vice President of Student Services (RHN 272) 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/](http://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/](http://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 binder located in SOG 226 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/](http://www.scc.losrios.edu/sld/).

### **Voter Registration**

Student Leadership and Development has information on how to register 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 security of your information is very important to us. That is why we will not discuss your records over the phone. This includes resetting your password. If you do not remember your password reset questions, you must come to the campus or one of the outreach centers in person with photo identification. To obtain a copy of your records, including your current enrollment, you must either log in to eServices or come in person with picture identification. You can also order your official transcripts online.

## **Student Rights under the Family Educational Rights and Privacy Act (FERPA)**

Students have the right to:

1. Inspect and review their own education records within a reasonable time after the College receives a request for access. If a student wants to review his or her record, they should contact the Vice President of Student Services for a petition. Education records include any item of information directly related to an identifiable student maintained by the District or College or required to be maintained by an employee in the performance of the employee's duties, whether that information is recorded by handwriting, print, tapes, files, microfilm, electronically or other means. Education records do not include directory information, information provided by a student's parent related to financial aid or scholarships, information prepared by and that remains in the sole possession of the person who created it; certain medical records, and decisions reached as a result of disciplinary hearings. Education records are maintained by the offices that generate or receive those records and the manager of those offices is responsible for the maintenance of those records. The Admissions and Records Office at each College maintains a log of those persons who have been given access to education records as required by FERPA.
2. Request an amendment of their education record if a student believes it is inaccurate or misleading. If a student feels there is an error in his or her record, the student should submit a statement to the College official responsible for the record, clearly identifying the part of the record he or she wants changed and why he or she believes it is inaccurate or misleading. That office will notify the student of their decision and advise of any appropriate appeal rights.

3. Consent to disclosure of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. There are several exceptions which permit disclosure without consent, including but not limited to:
 

Disclosure to school officials with "legitimate educational interests." School officials are employees of the District and its colleges, agents with which the District or College has contracted with to provide services, the Board of Trustees; or students serving on a committee or assisting another school official in the performance of his or her tasks. A legitimate educational interest exists when the school official has a need to know the information in connection with his or her official duties.

"Directory information." Directory information is a student's name, student identification number, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and most recent previous public or private school attended by the student. A student has the right to withhold the release of directory information. To do so, the student must complete a form, which is available from the Office of Admissions and Records. However, placing a "No Release" on a student's records means that no one including friends, parents, prospective employers, honor societies, or any other group or individual will be able to obtain this information.
- Disclosures to officials of another school, school system, or institution of postsecondary education where the student seeks or intends to enroll, or where the student is already enrolled so long as the disclosure is for the purpose related to the student's enrollment or transfer.

4. File a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. Further information about FERPA and student records can be found in the Los Rios Community College District Policy and Regulation 2265 and at the College office of the Vice President of Student Services.

### **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.

### High School Students/Advanced Education

Advanced Education is intended to provide high school students with educational enrichment opportunities at the community college. If you will be a high school junior or senior in grades 11-12, or at least 16 years of age by the first day of instruction, and you have a GPA of 2.7 or higher, you may be eligible to enroll in a maximum of two SCC courses each semester on Advanced Education Status.

You must follow the following steps **each** semester you wish to enroll as an Advanced Education Student.

1. Read and complete the entire Advanced Education Application by visiting [www.scc.losrios.edu/admissionsrecords/advancededucation/](http://www.scc.losrios.edu/admissionsrecords/advancededucation/).  
Your high school counselor must recommend specific courses and the form must be signed by your high school principal or designated counselor/administrator, your parent/guardian, and you.
2. **New Advanced Education Students:** Complete the SCC application online indicating that you are an advanced education student and not a new or transfer student [www.scc.losrios.edu/apply/](http://www.scc.losrios.edu/apply/).
3. **Continuing Advanced Education Students:** Complete the supplemental form through eService.
3. **New Advanced Education Students:** Complete the Los Rios online orientation after receiving your Los Rios Student ID number. Print out the certificate of completion that is sent to your Los Rios Gmail account. All correspondences will be sent to your "W" address.
4. Complete the English and Math assessment only if you are requesting to take classes with an English or math prerequisite. Take this assessment before meeting with your high school counselor in order for them to better advise you. Include the results in your Advanced Education Packet. Assessment schedule and study guides are available at [www.scc.losrios.edu/assessment/](http://www.scc.losrios.edu/assessment/)
5. **All Advanced Education Students:** Complete a typed statement explaining how you meet the criteria for Advanced Education. Attach a current copy of your high school transcripts. If you have taken college courses previously, you will need to provide a copy of your unofficial college transcripts.
6. Submit your Advanced Education packet in person at SCC Main Campus Counseling Department RHN 147 or via the Advanced Education email address: [AdvancedEd@scc.losrios.edu](mailto:AdvancedEd@scc.losrios.edu).  
All packets must be received by the submission deadlines. See website [www.scc.losrios.edu/admissionsrecords/advancededucation/](http://www.scc.losrios.edu/admissionsrecords/advancededucation/) for all deadlines.
7. After submitting your Advanced Education packet, you will receive one of the following confirmation emails through your "W" email address: Approved Continuing Advanced Education Student with instructions of picking up packet; Approved New Advanced Education Student with a link to register for a new advanced education student workshop; Missing Documents with instructions on resubmitting your packet; Does Not Meet Advanced Education Requirements with further instructions.
8. **New Advanced Education Students** are required to attend a new advanced education student workshop. At this workshop an SCC counselor will provide additional information regarding your next steps.

### Courses Not Allowed through Advanced Education:

1. Basic skills courses numbered below 100
2. Courses being repeated due to unsatisfactory high school grades
3. Courses in which the safety of the student or others would be jeopardized
4. Courses with an adult or mature subject matter not appropriate for high school students

### Additional Advanced Education Program Information:

1. Exceptions to the 2.7 GPA are courses in Human Career Development.
2. Advance Education students must register in person at SCC Admission & Records or West Sacramento Center or Davis Center.
3. The course credit and grade the student receives will become part of his or her permanent college record.
4. Enrollment fees are waived for California residents but advanced education students will be charged the mandatory UTP fee and will be entitled to receive the Student Access Card. Non-residents and international students must pay non-resident fees.
5. Advanced Education Students will use their Los Rios gmail account for all communication.
6. If initially denied for Advanced Education and has followed the advanced education steps and timeline, a student may submit a petition with the Dean of Counseling and Student Success at SCC.

For more information about Advanced Education process, updates, and/or due dates visit: [www.scc.losrios.edu/admissionsrecords/advancededucation/](http://www.scc.losrios.edu/admissionsrecords/advancededucation/).

### 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 (<https://www.scc.losrios.edu/dental/>), (2) Registered or Vocational Nursing (<https://www.scc.losrios.edu/nursing/>), (3) Occupational Therapy Assistant (<https://www.scc.losrios.edu/ota/>), and (4) Physical Therapist Assistant (<https://www.scc.losrios.edu/pta/>).

### Articulation - High School Courses

A high school student with the permission of a parent or guardian may enroll in high school courses that have been articulated with community college courses. Students will only be awarded college credit upon completion of the high school course with a grade of "A" or "B."

### 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 California College Promise Grant (formerly known as the BOG Fee Waiver) if they are California residents and meet one of the established criteria. More information is available at <https://www.scc.losrios.edu/financialaid/>.

## 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: <https://www.irs.gov/forms-pubs/about-form-8863> 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, \$8.40 is withheld from the UTP fee refund for fall and spring. The fee is non-refundable if a sticker was picked up for summer.

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 California College Promise Grant 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. SCC is authorized under the Student Exchange Visitor Program (SEVP) to accept and process Form I-20 for non-immigrant students [www.ice.dhs.gov/SEVIS](http://www.ice.dhs.gov/SEVIS). Applicants must contact the International Student Center, Rodda Hall North, room RHN 138 or visit the website at <https://www.scc.losrios.edu/international/admission/> for admission requirements. For overseas applicants, it is advisable to submit all required documents at least three months before the application deadline to avoid lengthy visa delays. The Center staff can answer specific F/M student visa questions.

Admitted international students are required to maintain full-time status and complete a minimum of 12 units or more each semester at SCC.

## 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:

- Apply
- Complete orientation
- Complete assessment testing for ESL only
- Create an education plan
- Register for classes!

More information is available at [success.losrios.edu](http://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 for ESL only and English and mathematics course 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, 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).

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 and an educational plan 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 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 must complete orientation and an education plan with a counselor to be eligible for priority enrollment.

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 2015-2016 school year tuition is \$264 per unit (\$46 enrollment fee plus \$218 non-resident 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 per unit.

### **Non-resident Tuition Refund Schedule**

Time of Withdrawal	Amount of Refund (%)
<b>Fall and Spring (full semester classes*)</b>	
By the end of the second week of instruction**	100% refund
After the second week of instruction	No refund
<b>Summer</b>	
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 5 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 <https://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](https://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. For additional information, visit <https://www.scc.losrios.edu/international/admission/>

**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 online orientation will help you on your way to enrolling. 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.

**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 California College Promise Grant (formerly known as the BOG Fee Waiver) at [www.scc.losrios.edu/financialaid/](http://www.scc.losrios.edu/financialaid/). 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 RHN 173. For a list of current fees, please go to our website at [www.scc.losrios.edu](http://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 5 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.

In addition, if a student earns a sub-standard grade (a notation of D, F, 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 Drawing and Composition I  
ART 301 Digital Drawing and Composition  
ART 302 Drawing and Composition II

##### ART Figure Studies

ART 304 Figure Drawing I  
ART 305 Figure Drawing II  
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 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 Dynamic Fitness**

- FITNS 345 Dynamic Fitness Training II

**FITNS Life Fitness Center**

- FITNS 371 Life Fitness Center Training  
 FITNS 372 Life Fitness Strength Training Catalog  
 FITNS 373 Life Fitness Center Functional Fitness Training Catalog  
 FITNS 374 Life Fitness Center Cross Training

**FITNS Swimming**

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

**FITNS Weight Training**

- FITNS 383 Olympic and Power Weight Lifting  
 FITNS 385 Weight Training for Competition

**MUIVI Jazz Instrumental**

- MUIVI 380 Improvisation Workshop I  
 MUIVI 381 Improvisation Workshop II  
 MUIVI 382 Improvisation Workshop III  
 MUIVI 383 Improvisation Workshop IV

**MUIVI Popular Guitar and Bass**

- MUIVI 373 Popular Electric Bass Styles I  
 MUIVI 374 Popular Electric Bass Styles II  
 MUIVI 375 Popular Electric Guitar Styles I  
 MUIVI 377 Popular Electric Guitar Styles II  
 MUIVI 378 Popular Electric Guitar Styles III  
 MUIVI 379 Popular Electric Guitar Styles IV

**MUIVI Popular Instrumental**

- MUIVI 405 Jazz & Pop Styles on Drum Set I  
 MUIVI 406 Jazz & Pop Styles on Drum Set II

**MUIVI Popular Piano**

- MUIVI 365 Popular Piano Styles I  
 MUIVI 366 Popular Piano Styles II  
 MUIVI 367 Popular Piano Styles III  
 MUIVI 368 Popular Piano Styles IV

**MUIVI Traditional Guitar and Bass**

- MUIVI 370 Beginning Guitar  
 MUIVI 371 Intermediate Guitar  
 MUIVI 372 Advanced Guitar

**MUIVI Traditional Piano Fundamentals**

- MUIVI 345 Beginning Piano I  
 MUIVI 346 Beginning Piano II

**MUIVI Traditional Piano Technique and Repertoire**

- MUIVI 355 Intermediate Piano I  
 MUIVI 356 Intermediate Piano II  
 MUIVI 357 Advanced Piano I  
 MUIVI 358 Advanced Piano II

**MUIVI Traditional Voice Fundamentals**

- MUIVI 315 Beginning Voice  
 MUIVI 325 Intermediate Voice

**MUIVI Traditional Voice Technique and Repertoire**

- MUIVI 330 Advanced Voice  
 MUIVI 335 Mentorship & Vocal Repertoire

**PACT Golf**

- PACT 350 Golf I  
 PACT 351 Golf II

**PACT Pickleball**

- PACT 430 Pickleball I

**PACT Tennis**

- PACT 391 Tennis II  
 PACT 393 Tennis III  
 PACT 394 Tennis, Doubles

**TAP Children's Theatre Performance and Technical Production**

- TAP 360 Children's Theatre Rehearsal and Performance I  
 TAP 361 Children's Theatre Rehearsal and Performance II  
 TAP 362 Children's Theatre Rehearsal and Performance III  
 TAP 363 Children's Theatre Rehearsal and Performance 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](http://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 2019 – June 9, 2018

Fall 2019 – August 23, 2018

Spring 2020 – January 17, 2019

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 <https://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](http://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, room 159. Students are required to repay financial aid 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](http://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. Please submit your college transcripts as soon as possible. Transcripts submitted after Priority Enrollment begins can cause a delay in enrollment. All submitted records become the property of the college and will not be returned to the applicant.

Only official transcripts sent directly from the schools to Sacramento City College will be accepted. Transcripts of record are given full value unless otherwise noted by the publications listed in Los Rios Regulation, Transfer of Credit, R-2216.

Where there is a question as to the accreditation of the institution or program, the problem may be referred to the appropriate accrediting body. In such cases, validation of credit may be required by satisfactory work in residence or by examination.

For additional information specific to Advanced Placement, College-Level Examination Program (CLEP), and International Baccalaureate Credits (IB), please see the section on Advanced Placement Credits in the back of this catalog.

## Transcripts

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.

Students are 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 at SCC (3 unit max online/distance education courses per semester)
- b. Student athletes - 12 units including Kinesiology (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)

The UTP fee allows eligible students to use all public transit bus and light rail systems at a greatly reduced rate in Sacramento, El Dorado, Amador, and Yolo counties, and the cities of Folsom and Elk Grove.

The Universal Transit Pass (UTP) is available to eligible students who enroll in one or more units at any one college in the Los Rios Community College District, have a photo ID, and have paid all fees.

The fee ranges from \$2.25 to a maximum of \$33.75 per semester for Fall and Spring depending on the number of enrolled units. All students rolled in Summer Session will be charged the same UTP fee of \$11 regardless of unit load. There is no reduction in fees for students who have a California College Promise Grant.

## 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](http://www.studentclearinghouse.org). A fee may be charged for this express service.

## Financial Aid

See [www.scc.losrios.edu/financialaid](http://www.scc.losrios.edu/financialaid)

Visit the website for information about application due dates and workshops.

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** Students can apply for financial aid by completing a Free Application for Federal Student Aid (FAFSA), available online at [www.fafsa.ed.gov](https://www.fafsa.ed.gov). Eligible AB 540 students may apply for financial aid by completing the California Dream Act Application, available online at [dream.csac.ca.gov](https://dream.csac.ca.gov).

**Declare an Eligible Major** To be eligible to receive financial aid, students must declare an eligible major. Visit [www.scc.losrios.edu/financialaid](http://www.scc.losrios.edu/financialaid) for more information about eligible majors for financial aid.

**High School Diploma** Students must have earned a high school diploma, GED, or equivalent in order to receive financial aid. If you do not have a high school diploma or equivalent, visit [www.scc.losrios.edu/financialaid](http://www.scc.losrios.edu/financialaid) for more information about changes regarding High School/GED Requirements.

**Enroll in Classes** Financial aid funding is based on active enrollment in courses needed to complete the major.

**Meet Satisfactory Academic Progress (SAP) Standards** Students must maintain their grades and progress in order to receive financial aid. Please review our SAP Policy at: <https://www.scc.losrios.edu/financialaid/sap-policy>. SAP Workshops are now available online. Visit workshop information on our website.

### Financial Aid Applications

Financial aid applications for each new academic year are available online (FAFSA at [www.fafsa.gov](https://www.fafsa.gov); California Dream Act Application [dream.csac.ca.gov](https://dream.csac.ca.gov) ('eligible AB 540 students only') on October 1. The priority deadline for completing the FAFSA and CA Dream Act March 2; however, applications are accepted throughout the academic year.

## Tuition FREE at SCC

### California College Promise Grant (Formerly known as the BOG Fee Waiver)

The California College Promise Grant (formally known as the BOG Fee Waiver) permits enrollment fees to be waived for eligible students. The California College Promise Grant uses academic standards to determine eligibility. It is important that students with this grant make sure they are meeting academic and progress standards to avoid losing grant eligibility. Please visit <https://www.scc.losrios.edu/financialaid/pay-for-college/california-college-promise-grant/> for more information.

### The Los Rios Promise Grant

Tuition-free for first-time, full-time (12 units) students will be waived for the first year at a Los Rios College. Students must apply for the FAFSA or CA Dream Act Application in order to qualify. California residents or Eligible AB 540 students are encouraged to apply.

### Cal Grant

The Cal Grant deadlines 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!

### Cost of Attendance

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.

### Financial Aid Programs

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

#### Grants

- Los Rios Promise Grant
- California College Promise Grant (formerly known as Board of Governors (BOG) Fee Waiver)
- Cal Grant
- Full-time Student Success Grant (FTSSG)
- Chafee Grant (for former foster care students)
- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Scholarships
- Student Success Completion Grant

#### Part-Time Jobs

Federal Work Study (FWS)

#### Student Loans

Federal Direct Loans (Subsidized and Unsubsidized)

### Applying for SCC Scholarships - Sacramento City College Office of Philanthropy

Scholarship resources may be found in a handful of offices on campus, but the SCC Office of Philanthropy offers nearly 300 scholarships established by staff, retirees, and alumni. In addition, many community businesses and individuals participate in sponsoring scholarships in support of excellence for community college education, and many times, to memorialize a loved one. Scholarships' criteria vary. Academic improvement and achievements, leadership skills, and community service are highly considered. Applications are available to qualified SCC students each spring. Look for information at the start of the spring semester to apply online.

For more information, contact the SCC Office of Philanthropy at 916-558-2197 or visit the Office of Philanthropy website.

## Make Your Courses Count!

### What is Financial Aid Course Eligibility?

Students receiving Federal & State Financial Aid are eligible to receive grants, student loans, and federal work study only for courses that are part of their major, general education, transfer, or certificate program.

### Does Course Eligibility Affect My California College Promise Grant?

The grant will not be impacted by financial aid course eligibility. If you were awarded the California College Promise Grant, it will cover the enrollment fees for all courses, even those not required for your major.

### How Will It Work?

- Students who are enrolled, have a financial aid application on file, and have been awarded financial aid will receive a message in their eService account regarding ineligible courses.
- Students should review the "View Course Eligibility" screen in eServices to check for ineligible and eligible courses.
- Review the "Make Your Courses Count" flowchart opposite this page or on the Financial Aid website, [www.scc.losrios.edu/financialaid](http://www.scc.losrios.edu/financialaid) to determine the next steps.
- If the Financial Aid Office is notified of changes to eligibility by the Counseling or Admissions & Records offices, Financial Aid will update the student's financial aid awards within two weeks.

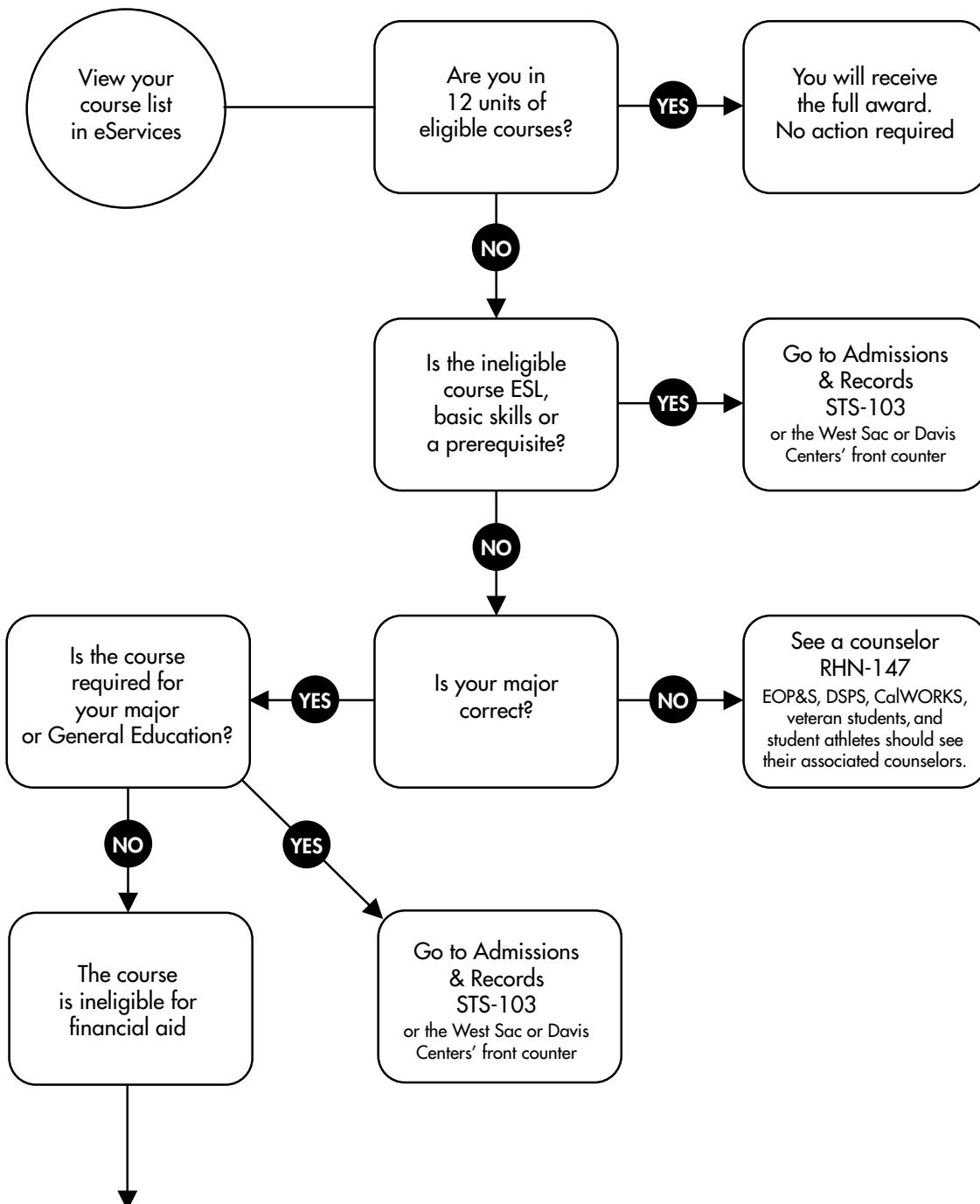
## Where Do I Go for Help?

Admissions & Records and Counseling are available for assistance at the main Counseling Office or the West Sacramento or Davis Centers. EOP&S, DSPS, CalWORKS, and Veteran students or student athletes are encouraged to meet with their primary counselors.

Go to [www.scc.losrios.edu/financialaid](http://www.scc.losrios.edu/financialaid) for information and direction on course eligibility.

## Make Your Courses Count!

Stop, don't drop! If you received a financial aid ineligibility notification and have questions, follow these steps:



If you have any questions or feel the course that you are taking should be eligible, please make an appointment with a counselor at the main campus or the West Sacramento or Davis Centers.

## 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

As one of the mandates of Assembly Bill (AB 705) passed in Fall of 2017, SCC has updated the method for placing students in their first English or Math course and will now be using Multiple Measures to place students, such as a combination of high school course information, high school GPA, and assessment information. You will be automatically placed into English and math classes if you included all of the requested information about your high school records on your CCCApply application.

Assessment for Math and English Placement is available only for students entering in Fall 2018 or Spring 2019. ESL Placement will remain the same.

\* For those who have graduated high school more than 10 years ago or graduated high school in a foreign country, you will not receive an automatic placement. Please call the Assessment Center at (916) 558-2541 for further information.

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, ESL or math classes completed at colleges outside Los Rios should do the following:*

For ESL courses evaluation, please contact the Language and Literature Department at 916-558-2325. Please bring your unofficial transcript(s) for ESL courses to Rodda Hall South, room 226 (RHS 226).

For English and math courses,

- Review the "Approved Math External Credit" or "Approved ENGCW, ENGWR, and ENGED Credit" lists on the Admission and Records website <https://www.scc.losrios.edu/admissionsrecords/prerequisite-information/>
- If you completed the equivalent prerequisite course at a college/university on the lists, submit official transcripts along with Prerequisite Equivalency Form to the Admissions and Records Office.
- If verified through an official transcript, the external course will be posted as Transfer Credit on your unofficial Los Rios transcript, which will clear your enrollment into the course.
- If you do not find your course on the lists, bring an official transcript and the course description from the college catalog, and submit a Prerequisite Equivalency Form to Admissions and Records Office in the Student Services Building.
- If approved, a milestone will be set in the Los Rios enrollment system, clearing you to enroll in the course. Please allow five (5) working days for processing.
- If you have any questions regarding this process, please call the Admission and Records Office at 916-558-2351.

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 <https://www.scc.losrios.edu/assessment> for more information.

### Cafeteria - Snack Bar - City Café

A wide range of food services is available through City Café. There are also a number of nutrition (vending) centers on campus. City Café offers a full complement of Subway food and Java City coffees and beverages. Full-service catering is also available 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 is an interagency program that works closely with the county Department of Human Assistance bureaus, CalFresh, 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 provides priority registration, counseling, case management, and educational supplies, as well as CalWORKs Work Study employment opportunities for students. Anyone receiving TANF (Temporary Assistance for Needy Families) may be eligible for services. CalWORKs applications are accepted year round. For further information, call 916-558-2331, stop by the CalWORKs Office located in the Learning Resource Center, Room 120 or visit our website [www.scc.losrios.edu/calworks](http://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.myinterface.com/scc\\_losrios/student](http://www.myinterface.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, room 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.

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## **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: <https://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](http://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. 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 is available to help students to explore their personal values, aptitudes and interests, and 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 required to attend an Academic Planning Session 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, Puente, UMOJA, and Cooperative Work Experience and Internship.

## **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. If you have suggestions or need additional information, please call 916-558-2155 or visit our website at [www.scc.losrios.edu/cac](http://www.scc.losrios.edu/cac).

## **Dental Health Clinic**

The Dental Clinic is located in Rodda Hall South, room 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, intellectual, psychological, acquired brain injury, 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 Student Services 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 <https://www.scc.losrios.edu/dsp/>. Students requiring appointments for learning disability assessment should go to DSPS to make an appointment. The Assistive Technology Lab and Proctored Testing Center are located in STS 139. Exam proctoring must be pre-scheduled. The telephone number for proctoring is 916-558-2545 (voice).

Students seeking Educational Accommodations who do not wish to be referred to the DSPS will need to contact Kirk Sosa, Dean, Information Technology, LRC 111, 916-558-2062, 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, academic monitoring, case management, tutoring support, and book assistance.

EOPS houses two sub-programs: CARE and NextUp / CAFYES. Cooperative Agencies Resources for Education (CARE) Program 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. NextUp, also known as CAFYES (Cooperative Agencies Foster Youth Educational Support), provides qualified EOPS students with resources that make a difference. NextUp offers eligible current and

former foster youth support and services that could help with books and supplies, transportation, tutoring, food and much more.

Open application period is the month of April for entrance in the incoming fall semester. For the spring semester open application period, check in October with the EOPS Office or the webpage at [www.scc.losrios.edu/eops](http://www.scc.losrios.edu/eops).

For additional information, visit the webpage or drop by the EOPS office located at Rodda Hall North, room 155, call 916-558-2403, or contact the office at [scceopsinfo@scc.losrios.edu](mailto:scceopsinfo@scc.losrios.edu).

## **Health Services**

The mission of Health Services is to help students achieve their academic goals by encouraging a balance of health and wellbeing. Health Services is staffed with two registered nurses and a health aid. Services include first aid for minor injuries, health/illness assessment and consultation, TB testing, some immunizations and blood pressure screening. Information and community resources available for substance abuse, smoking cessation, nutrition questions, reproductive health services, and mental health concerns. Community referrals are available to students for specific medical, dental, and vision services. All services are confidential and limited over-the-counter medications are available. Health Services is located in Rodda Hall North accessed by outside doors facing H lot. Students are not covered by the district or the college for health insurance; however, information and assistance in finding 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 (F-1) visa page, and current original of all college transcripts translated into English sent from all institutions attended to Sacramento City College, Admissions and Records, 3835 Freeport Boulevard, Sacramento, CA 95822.

Students are required to:

- complete the SCC International Admission Packet, which may be downloaded at <https://www.scc.losrios.edu/international/admission>
- 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 International Student Center
- meet regularly with instructors and counselors whenever any academic difficulties or tutoring needs arise

The International Student Center staff is 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](http://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 Rodda Hall North, room 138. 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 - Online**

New students are required to complete the online orientation. Students are then encouraged to take 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.

## **Puente Project**

The mission of the Puente Project is to increase the number of educationally disadvantaged students who enroll in four-year colleges and universities, earn college degrees, and return to the community as leaders and mentors to future generations. Puente students meet regularly with a Puente Counselor and are connected to mentors from the community to enhance their academic success. Puente is located in the Counseling Center, Rodda Hall North, room 147.

## **RISE**

The RISE Program is a student support and retention program that was created for and by low-income and students of color. RISE's mission is to increase the number of graduates and transfers among underrepresented, underserved and marginalized groups in higher education. We accomplish these goals through aggressive outreach and recruitment in low-income neighborhood high schools, expose students to four-year universities via college tours, introduce students to graduates from their former high schools as peer mentors, and connect each student to inspirational faculty and staff who personally nurture and encourage their journeys to success. Our intent is to provide a familia/ohana approach to educational services so to be inclusive, supportive, and resilient.

We offer the following services:

- Individualized and group academic tutorial
- Intrusive and holistic guidance and counseling
- Ethnic, gender and cultural empowerment activities
- Student club organizations
- College visitations and tours
- Peer mentors and ambassadors
- A social justice perspective in school, in work, and in life

For further information, please visit the RISE Office located in Rodda Hall South, room 158, call 916-650-2782, or contact us at [www.scc.losrios.edu/rise](http://www.scc.losrios.edu/rise).

## **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 916-558-2200 for additional information. Tour requests may be made online at [www.scc.losrios.edu/outreach/campustours/](http://www.scc.losrios.edu/outreach/campustours/).

## **Transfer Center**

The Transfer Center assists students in transferring to four-year colleges and universities. In addition to its many transfer activities, the Transfer Center coordinates Transfer Day, college tours, college fairs, university representative appointments and workshops, and admission workshops.

The Transfer Center maintains a monthly calendar of events including university representative visits and workshops. 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, room 147. The Center may be reached by calling 916-558-2181 or drop by the office. Additional information can be found at [www.scc.losrios.edu/transfer](http://www.scc.losrios.edu/transfer)

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

## **UMOJA**

The Umoja-Sba learning community is committed to the academic success, personal growth, and development of students of African Ancestry as well as other students of diverse ancestries with the emphasis on first-year college students.

Umoja-Sba provides students with a supportive and responsive community, along with some of following services:

- Regular meetings with Umoja-Sba Counselors
- Cultural, educational, and life skills workshops
- Transfer resources for CSU/UC and Historical Black Colleges and Universities
- Belong to a supportive and responsive community
- Exposure to African deep thought, history, and culture

The Umoja-Sba Program is located in the Counseling Center, Rodda Hall North, room 147.

## **Undocu-Resource Program**

The Undocu-Resource Program advocates for undocumented students, their families, and community members affected by the undocumented experience. Through programmatic and academic support we aim to help support this community succeed. For additional information, please contact us at 916-558-2640. The Undocu-Resource Program is located inside the Village Hub in the Student Center Building, room SC-103.

## **Veterans Affairs**

The Veterans Affairs Office is located in Student Services 103 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](http://www.gibill.va.gov).

For more information, please visit the college website at [www.scc.losrios.edu](http://www.scc.losrios.edu).

## Veterans Resource Center

The Veterans Resource Center (VRC), located in PAC 101, is an on-campus facility with staff and counselors to assist student veterans and their dependents with their transition to college, including, homework, VA benefits, admissions and enrollment. It also provides computer access, printing services, workshops, tutoring, and a place to meet up with and connect with other student veterans on campus. Students can meet with a designated VA counselor to plan their courses and majors that will prepare them for their future careers. We are available to answer questions concerning student veterans' educational benefits, course planners, enrollment, degree plans and graduation. Upon request, this office also advises student veterans and refers them to the appropriate external VA organizations to address their personal and academic concerns.

## Village Hub

The Village Hub is an information hub and a central location for students to learn about the different support programs and services offered on campus. We work to support underserved student communities and provide guidance and advocacy for students to better navigate their experience at Sacramento City College. Our goal is to build bridges for students to connect with the student support programs that they can benefit from, such as RISE, DSPS, EOPS, CalWORKs, Umoja-SBA, Puente Project, Veterans Resource Center, and more. Drop by to get better connected with your campus. For additional information, please contact us at 916-558-2640. The Village Hub is located inside the Student Center Building, room SC-103.

## 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: <https://www.scc.losrios.edu/workability/>.

## Learning Resource Center

The 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, Learning Skills and Tutoring Center, Writing Center, 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 Center focuses on 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 online tutoring.

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 technologies into the learning process, bridging the physical 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.

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 Learning Management Systems Canvas. 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. Some courses require exams and an orientation to be completed on campus; more information about on-campus requirements for a specific course can be found on the Schedule of Classes or by contacting the instructor. Access to coursework is limited to enrolled students with a valid student ID and 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
- Threaded discussion boards
- Blog 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

<https://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 <https://www.scc.losrios.edu/online/> or contact the Distance Education Office at 916-558-2635 or [SCCDE@scc.losrios.edu](mailto:SCCDE@scc.losrios.edu).

### Learning Skills and Tutoring Center

The Learning Skills and Tutoring Center 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 collaborative learning groups; and various learning assistance and study skills guides. These resources and services are available days, evenings, and Saturdays. The Learning Skills and Tutoring Center offers free workshops for students on a variety of topics related to college success. Topics include time management, test-taking strategies, and stress management.

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. 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 Center's website at <https://www.scc.losrios.edu/learningskillstutoring/>.

### **Learning Resources Computer Labs**

The Learning Resource Division provides student access to computer and academic technology support. The lab is located in LRC 144 and is equipped with PCs loaded with basic applications software (word processing, spreadsheet, presentation software, etc.) and Internet access. In some cases, certain course-specific software is also available. Students can meet with staff and tutors for help with technology literacy (file management, software applications, etc.) or receive assistance with technology troubleshooting or Canvas-specific issues.

In addition to the LRC Computing and Academic Technology Support, 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 <https://www.scc.losrios.edu/campusservices/computerlabs/>.

### **Library Services**

The SCC Library is located in the Learning Resource Center on the second and third floors. The second floor contains research help services and the reference book collection, circulation services and the reserve book collection, Student Access Card distribution, research computers, a popular reading section, the print periodical collection, circulating DVDs, DVD/VHS viewing stations, 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 coursework 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 in research skills. Library courses are listed in the SCC Catalog and the Schedule of Classes in the Library (LIBR) and Library and Information Technology (LIBT) sections.

Library resources may be found in OneSearch, which provides access to the combined print and multimedia holdings of the Los Rios Community College District libraries, together with a wide variety of full-text articles, ebooks, and streaming media. Research databases may also be searched individually to discover magazines, journals, newspapers, literary criticism, biography, business information, international affairs, and current events. 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](http://www.scc.losrios.edu/library).

Librarians also help students identify reliable websites and information in order to expand their research. 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, scanners, 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 <https://police.losrios.edu/crime-and-reporting/annual-clery-report>. 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 Suterville 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 off 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.

## **Smoke and Tobacco-free Campus – Environmental Standards**

Sacramento City College prohibits the use of smoked tobacco products, smokeless tobacco products, and any electronic or non-electronic smoking device. This includes, but is not limited to, cigarettes, cigars, hookah, snuff, chew, e-cigarettes, vaping etc., and is applicable for all indoor and outdoor Sacramento City College properties including the Main Campus, Davis and West Sacramento Centers, and McClellan Hanger as well as vehicles owned or leased by the college, regardless of location. In parking lots, smoking is only allowed inside private vehicles. This standard applies to students, employees, and all other persons on campus, regardless of the purpose of their visit.

For individuals interested in quitting smoking or smokeless tobacco use, free cessation services are provided in Health Services (Rodda Hall North, room 125). Additionally, for help quitting, contact the California Smokers' Helpline at 1-800-NO-BUTTS or visit [www.californiasmokershelpline.org](http://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 24 hours a day, seven days a week, and a valid permit must be displayed at all times.

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](http://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](http://www.sacrt.com), and [yolabus.com](http://yolabus.com).



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## Degrees, Certificates, 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.)

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).

### 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). An Associate in Science Degree includes all science, technology, engineering, and mathematics (STEM) disciplines and career technical education (CTE) fields.

### Associate in Arts for Transfer (AA-T)

### Associate in Science for Transfer (AS-T)



**Associate Degree  
for Transfer**  
*A Degree with a Guarantee.*

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

- (1) Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - (A) The Intersegmental 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.

### 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  
 Biology, AS-T  
 Business Administration, AS-T  
 Child and Adolescent Development AA-T  
 Communication Studies, AA-T  
 Early Childhood Education, AS-T  
 Economics, 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  
 Nutrition and Dietetics, AS-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

### Certificates

Sacramento City College offers two types of Certificates:

**Certificate of Achievement** 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** 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. These certificates are not noted on transcripts.

### 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.

**Sacramento City College offers the following Associate Degrees, Certificates of Achievement, and Certificates**

**Accounting**

Degree:  
A.S. - Accounting  
Certificates of Achievement:  
Accounting Clerk  
Full Charge Bookkeeper

**Administration of Justice**

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

**Aeronautics**

Degrees:  
A.S. - Airframe  
A.S. - Combined Airframe and Powerplant  
A.S. - Powerplant  
Certificates of Achievement:  
Airframe  
Combined Airframe and Powerplant  
Powerplant

**Allied Health**

Degree:  
A.S. - Pre-Health Occupations  
Certificates of Achievement:  
Community Health Care Worker  
Pre-Health Occupations

**Anthropology**

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

**Art**

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

**Art History**

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

**Aviation**

Degrees:  
A.S. - Air Traffic Control  
A.S. - Aircraft Dispatcher  
A.S. - Flight Technology  
Certificates of Achievement:  
Aircraft Dispatcher  
Flight Technology

**Biology**

Degree:  
A.S. - Biology  
AS-T - Biology for Transfer  
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  
Certificates of Achievement:  
Business Information Worker  
Management  
Marketing  
Real Estate  
Certificate (under 11.5 units):  
Customer Service

**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**

Degree:  
A.A. - Community Studies  
Certificate of Achievement:  
Community Studies

**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  
Data Science  
Front-End Web Developer  
Information Processing Specialist  
Information Processing Technician  
Information Systems Security  
Management Information Science  
Network Administration  
Network Design  
PC Support  
Programming  
Web Developer  
Web Production Specialist

**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

**Design and Digital Media**

Degrees:

A.S. - Design and Digital Media

Certificates of Achievement:

3D Animation and Modeling

Game Design

Graphic Communication

User Interface and Web Design

**Early Childhood Education**

Degrees:

A.A. - Child Development with ECE Emphasis

AS-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

**Economics**

Degree:

AA-T Economics for Transfer

**Education/Teaching**

Degrees:

AA-T - Child and Adolescent Development for Transfer

AA-T - Elementary Teacher Education for Transfer

**Electronics Technology**

Degrees:

A.S. - Automated Systems Technician

A.S. - Telecommunications Technician

Certificates of Achievement:

Automated Systems 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. - Mechanical (HVAC/Plumbing Systems)

A.S. - Surveying (Geomatics)

Certificates of Achievement:

Architectural/Structural Drafting

CAD Technology

Electric (Power-Lighting Systems)

Engineering Design Technology

Mechanical (HVAC/Plumbing Systems)

Surveying (Geomatics)

**English**

Degrees:

A.A. - English

AA-T - English for Transfer

**English as a Second Language**

Certificate of Achievement:

Advanced Proficiency in English as a Second Language

**Ethnic Studies**

Degree:

A.A. - Ethnic Studies

**Family and Consumer Science**

Degree:

A.A. - Family and Consumer Science

**Fashion - Applied Apparel Studies**

Degree:

A.A. - Applied Apparel Studies Production

Certificates of Achievement:

Applied Apparel Studies Construction

**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

Certificates of Achievement:

Gerontology

**Graphic Communication (see Design and Digital Media)****History**

Degrees:

A.A. - History

AA-T - History for Transfer

**Intercultural Studies**

Degree:

A.A. - Intercultural Studies

**Interdisciplinary Studies**

Degrees:

A.A. - Arts and Humanities

A.A. - Environmental Literacy

A.A. - Math and Science

A.A. - Social and Behavioral Sciences

**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**

Degrees:

A.A. - Kinesiology - Exercise Science

AA-T - Kinesiology for Transfer

Certificates of Achievement:

Athletic Coaching Certification

Fitness Instructor Certification

**Library and Information Technology**

Degree:

A.S. - Library and Information Technology

Certificates 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:

Mechanical-Electrical Technology

Mechanical Systems Technician

Certificate:

Commercial Building Energy Auditing and Commissioning Specialist

**Music**

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

**Nursing**

Degrees:

A.S. - Nursing, Registered

A.S. - Nursing, Vocational

Certificates of Achievement:

LVN-RN 30-Unit Option

Nursing, Vocational

**Nutrition and Foods**

Degree:

A.S. - Nutrition

AS-T - Nutrition and Dietetics for Transfer

**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

**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

**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

**Theatre Arts Film**

Degree:

A.A. - Film

Certificates of Achievement:

Film Production

Film Studies

**Women and Gender Studies**

Degree:

A.A. - Women and Gender Studies

**Areas of Study - Courses Only**

Astronomy

Community Leadership Development

Deaf Culture and American Sign Language Studies

Entrepreneurship

Experimental Offerings in (Subject)

Foreign Languages

Arabic

Cantonese/Chinese

French

Greek

Italian

Japanese

Korean

Mandarin/Chinese

Persian

Punjabi

Russian

Tagalog

Vietnamese

Global Studies

Health Education

Honors

Human Career Development

Human Services

Humanities

Independent Studies

Learning, Tutoring, and Academic Technology

Library

Physics

Recreation

Statistics

Student Government

Theatre Arts Performance

Topics in (Subject)

Work Experience

## 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.)

- 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.

**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.

**Associate in Arts (A.A.)**  
**Associate in Science (A.S.)**  
**2019-20 GRADUATION REQUIREMENTS**

All students MUST satisfy the following four requirements to earn an Associate in Arts/Science degree:

1. Complete a minimum of 60 degree applicable units with an overall 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 in Arts or Associate in Science degree. Degrees from accredited institutions outside of the United States will be evaluated on a case-by-case basis.

1. 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**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Satisfactory completion of one of the following General Education Patterns:           <ol style="list-style-type: none"> <li>a. Any Los Rios Community College District Associate Degree General Education</li> <li>b. The Intersegmental General Education Transfer Curriculum (IGETC)</li> <li>c. California State University General Education-Breadth Requirements</li> </ol> </li> <li>or</li> <li>2. Possess an AA/AS degree or higher from a regionally accredited college in the U.S. or</li> <li>3. Show proof that reading competency has been met at any California community college or</li> <li>4. Complete one of the following courses with a grade of "C" or better:<br/>ENGRD 310 or ESLR 340</li> </ol> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**B. WRITING Competency**

- |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Complete one of the following courses with a grade of "C" or better:<br/>BUS 310 or ENGWR 300 or 488 or ESLW 340 or</li> <li>2. Pass an equivalent course ("C" grade or better) at a regionally accredited college in the U.S.</li> </ol> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**C. MATHEMATICS Competency**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Complete one of the following courses with a grade of "C" or better:<br/>ECON 310; MATH 110, 120, 121, 124, 135, 140, 300, 310, 335, 340, 342, 350, 351, 370, 400, 401, 402, 410, 420;<br/>STAT 300, 480 or</li> <li>2. Obtain a satisfactory score on the mathematics competency examination or</li> <li>3. Pass an equivalent course ("C" grade or better) at a regionally accredited college in the U.S.</li> </ol> |
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## 2019-20 General Education Requirements

### **Area I - Humanities (3 units minimum)**

ANTH 331; ARABIC 401, 402; ART 300, 320, 390, 430, 440; ARTH 300, 301, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 330, 332, 334, 410, 420, 484, 486, 487, 488; CANT 401, 402, 411, 412; COMM 305; DEAF 310, 312, 314, 316, 353, 380; 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; FREN 401, 402, 411, 412; GREEK 401, 402; HIST 300\*, 302\*, 373\*, 380\*; HUM 300, 310, 320, 332, 352, 370; INDIS 350\*, 351\*, 352\*, 353\*; ITAL 401, 402; JAPAN 401, 402, 411, 412; KOREAN 401, 402; MAND 401, 402, 411, 412; MUFHL 305, 309, 310, 311, 315, 320, 330, 400, 481, 482; PHIL 300\*, 306, 310, 330, 331, 338, 352, 368\*, 480, 481; PHOTO 302; PNJABI 401, 402; PRSIAN 401, 402; RUSS 101, 102, 401, 402, 411, 412; SPAN 401, 402, 411, 412, 413, 415, 425, 427; TA 300, 302, 303, 308, 454, 455; TAFILM 300, 302, 303, 304, 307, 309; 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; CISN 300, 302, 303, 304, 306, 308, 315 (2 units), 320, 336, 340, 341, 346, 378; CISP 301, 310, 320, 350, 360, 400, 401, 430, 440, 452; CISS 321, CISW 400, 410; COMM 301, 303, 311, 315, 316, 331, 341\*, 361, 481; ECE 326; ECON 310; ENGLT 328; ENGRD 310; ENGWR 302\*, 303, 482\*, 488\*, ET 314; MATH 110, 120, 124, 135, 140, 300, 310, 335, 340, 342, 350, 351, 352, 370, 372, 373, 400, 401, 402, 410, 420; MET 352; PHIL 300\*, 320, 325; PSYC 335; SOC 302, 305\*; STAT 300, 480; SURVY 300

### **Area III - Living Skills (3 units minimum) – 1 course from III (a) and 2 units minimum from III (b) OR III (c) if student meets Military Service Credit requirements.**

III (a) – Physical Education (1 course) – any activity course from:

FITNS; KINES; PACT; SPORT; TMACT

III (b) – Life Development Skills (2 units minimum):

ADMJ 303\*, 315; AH 126, 301; BUS 320, 498 (minimum 2 units); COMM 321, 335; ECE 314\*, 415; EDT 498 (minimum 2 units); FCS 320\*, 324\*; GERON 300\*, 301, 302; HCD 110, 310, 312, 330 (1 unit); HEED 300, 301, 321 (1 unit), 340, 353; INDIS 240 (1 unit), 340 (1 unit); KINES 411, 412, 418; LIBR 318 (1 unit), 325; LIBT 325; NUTRI 300\*, 302, 310, 322, 330, 480\*; PSYC 356\*, 358\*, 370\*, 374, 390\*, 392, 405\*, 410; SOC 310\*, 335\*, 344\*; WEXP 198, 498 (minimum 2 units); WGS 300

III (c) 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) indicates a lab course only for one unit.**

ADMJ 332, ANTH 300, 301 (L), 303\*, 480; ASTR 310, 320, 330, 400 (L); BIOL 100, 305, 308, 309 (L), 314, 320, 321, 326, 327, 330, 332, 342, 349, 350, 351, 352, 370, 402, 412, 422, 430, 431, 434, 440; CHEM 300, 305, 306, 309, 320, 330, 333, 336, 400, 401, 410, 420, 421, 425, 426; GEOG 300, 301 (L), 302, 305, 306, 308, 331; GEOL 300, 301 (L) 302, 305, 306 (L), 308, 310, 311 (L), 325, 345; NUTRI 300\*, 480\*; PHYS 310, 350, 360, 410, 420, 430; PSYC 310, 311(L), 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\*, 486\*, 487\*, POLS 301, 304, 481

V (b) – Other: ADMJ 349; ANTH 310, 320, 323, 324, 325, 331, 332, 334, 341, 481; BUS 300, 330 345; COMM 325, 341\*, 351, DEAF 351, 352, 355; ECE 312, 314\*; ECON 100, 302, 304; ENGWR 384; ETHNS 300, 320, 330, 340, 341, 350, 351; FCS 320\*, 324; GEOG 310, 320; GERON 300\*, GLST 301, 302; HIST 300\*, 302\*, 307, 308, 309, 310\*, 311\*, 314\*, 320\*, 321, 327, 344, 360, 364, 365, 373\*, 375, 380\*, 381, 483\*, 484\*, 485\*, 486\*, 487\*; INDIS 350\*, 351\*, 352\*, 353\*; JOUR 310, 320; PHIL 368\*, POLS 301\*, 302, 303, 304\*, 310, 312, 313, 320, 322, 340, 350, 480; PSYC 300, 320, 340, 352, 356\*, 358\* 360, 364, 367, 370, 390\*, 480; SOC 300, 301, 305\*, 310\*, 318, 319, 321, 335\*, 341, 343, 344\*, 345, 347, 350, 380, 382, 385 (maximum 1 unit), 480, 481, 482; WGS 300, 302, 304

### **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), 324 (F18), 331 (F96), 332 (F95), 334 (F95), 341 (F05), 481 (F97); ARTH 320 (F93), 324 (F93), 325 (F07), 328 (F93), 332 (F93); BUS 330 (F04); COMM 325 (F93); DEAF 355 (F15), 362 (S16); ECE 430 (F93); ENGLT 327 (F06), 331 (F08), 332 (F08), 334 (F95), 335 (F99), 345 (F09), 346 (F99), 360 (F97), 365 (F09), 480 (F95), 481 (F95); ESLR 340 (F15); ETHNS 300 (F15), 320; (F15), 330 (F15), 340 (F15), 341 (F15), 350 (F15), 351 (F15); GEOG 310 (F95); GLST 301 (F18), 302, (F18), HIST 307 (F98), 308 (F98), 309 (F93), 310 (F99), 311 (F99), 314 (F12), 320 (F93), 321 (F93), 327 (F18), 344 (F96), 360 (F03), 364 (F93), 365 (F93), 373 (F93), 375 (F12), 380 (F04), 381 (F14), 483 (F00), 484 (F00) 485 (F17), 486 (F17), 487 (F17); HUM 320 (F16); JOUR 320 (F95); MUFHL 330 (F06); NUTRI 310 (F09); PHIL 352 (F93); POLS 312 (F07), 480 (S15); PSYC 367; SOC 321 (F93); SOC 482 (F14); TA 308 (F01), 454 (F93), 455 (F93); TAFILM 307 (S14)

## 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 ENGWR 488, or upon application and letters of recommendation. Applications are available from Paul Frank, Honors Coordinator ([frankp@scc.losrios.edu](mailto:frankp@scc.losrios.edu)), Rodda Hall North, room 234), from the Behavioral and Social Sciences Division Office in Rodda Hall North, room 226, or from the Honors Program website at [www.scc.losrios.edu/honors](http://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
COMM 481	COMM 301	Introduction to Public Speaking - Honors
ENGLT 480	none	World Literature: Antiquity to the Early Modern World – Honors
ENGLT 481	none	World Literature: Seventeenth Century – Present – Honors
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
HIST 486	HIST 320	History of the United States: African American Emphasis - Honors
HIST 487	HIST 321	History of the United States: African American Emphasis - Honors
MUFHL 481	MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750) – Honors
MUFHL 482	MUFHL 311	Survey of Music History and Literature (1750-Present) – 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
SOC 481	SOC 301	Social Problems – Honors
SOC 482	SOC 321	Race, Ethnicity, and Inequality in the United States – Honors
STAT 480	STAT 300	Introduction to Probability and Statistics – Honors

## 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	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	2A	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	4	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
Computer Science Principles	3,4,5				B4	3	N/A	0
English Language and Composition	3, 4, 5	ENGWR 300	3	II (a)	A2	3	1A	3
English Literature and Composition	3,4,5	ENGWR 300 and ENGWR 303 ****	7	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 4	3
French Language (taken after F09, removed F11)	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 Language and Culture	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3
German Language (taken prior F09)	3, 4, 5			I	C2	6	3B & 6A	3
German Language (taken after F09 – F11)	3, 4, 5			I	C2	3	3B & 6A	3
German Language and Culture	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3
Human Geography	3, 4, 5	GEOG 310	3	V (b)	D5	3	4	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	Area	Units	Area	Units
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	3B & 6A	3
Latin: Vergil (end FA12)	3, 4, 5	N/A	0	N/A	C2	3	3B & 6A	3
Macroeconomics	3, 4, 5	ECON 302	3	V (b)	D2	3	4	3
Microeconomics	3, 4, 5	ECON 304	3	V (b)	D2	3	4	3
Music Theory (taken prior to F09)	3, 4, 5	MUFHL 400 & 401	8	I	C1	3	N/A	0
Physics 1 (FA 13)	3, 4 5	PHYS 310 PHYS 350	3 4	V (b)	B1 + B3	4	5A & Lab	4
Physics 2 (FA 13)	3, 4 5	PHYS 310 PHYS 350	3 4	V (b)	B1 + B3	4	5A & Lab	4
Physics B*** (taken after F09 – FA 13)	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	4	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 – S14)	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 (F09 – S13)	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 V (b)	D8 + US-2	3	4 & US-2	3
U.S. History	3, 4, 5	HIST 310, 311, 320, 321, 483, 484	6	V (a)	C2 or D6 + US-1	3	3B or 4 & US-1	3
World History	3, 4, 5	HIST 307 & 308	6	V (b)	C2 or D6	3	3B or 4	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 Science 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.

\*\*\*\* To earn credit for ENGWR 303, both the English Language and Composition AND English Literature and Composition AP with a 3, 4 or 5.

## 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 institutions 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
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 (prior to FA11)	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* (prior to FA15)	59	I	3	59	C2	3
French Level II*	59	I	3	59	C2	3
Freshman College Composition	59	n/a	0	50	n/a	0
German Level I*	50	n/a	0	50	n/a	0
German Level II* (prior to FA15)	60	n/a	0	60	C2	3
German Level II*	60	n/a	0	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	3

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	3
Principles of Marketing	50	n/a	0	50	n/a	3
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* (prior to FA15)	63	I	3	63	C2	3
Spanish Level II*	63	I	3	63	C2	3
Trigonometry (prior FA06)	50	II(b)	3	50	B4	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.

**International Baccalaureate (IB) Credits**

Students who have earned credit from IB exams should not take a comparable college course because 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	4	3
Geography HL	5, 6, 7	V (b)	3	5, 6, 7	D5	3	5, 6, 7	4	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 4	3
Language A Literature HL (any language, except English)	5, 6, 7	I	3	5	C2	3	5, 6, 7	3B and 6A	3
Language A HL (any language)	5, 6, 7	I	3	5	C2	3	5, 6, 7	3B	3
Language A: Language and Literature HL (any language except English)	5, 6, 7	I	3	5	C2	3	5, 6, 7	3B and 6A	3
Language A: Language and Literature HL (any language)	5, 6, 7	I	3	5	C2	3	5, 6, 7	3B	3
Language A1 (any language) HL expires F13	5, 6, 7	I	3	4	C2	3	5, 6, 7	3B	3
Language A2 (any language) HL expires F13	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	6	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	4	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.

**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.

Course Numbers		Course Title	
ADMJ 303	PSYC 405	Substance Abuse: Effects on Body and Behavior	
ADMJ 332	ANTH 303	Introduction to Forensic Anthropology	
ADMJ 349	SOC 318	Introduction to Crime, Deviance, and Social Control	
ANTH 303	ADMJ 332	Introduction to Forensic Anthropology	
BUS 325	ECON 330	Investments and Financial Management	
COMM 351	ENGWR 384	JOUR 310	Mass Media and Society
ECON 330	BUS 325	Investments and Financial Management	
ENGLT 400	TAFILM 300	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 320	SOC 310	Marriage and the Family	
FCS 324	PSYC 370	Human Development: A Life Span	
GERON 300	SOC 335	Sociology of Aging	
GERON 302	PSYC 374	Psychology of Aging: Adult Development and Aging	
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	
KINES 418	NUTRI 302	Nutrition for Physical Performance	
LIBR 325	LIBT 325	Internet Research Skills	
LIBT 325	LIBR 325	Internet Research Skills	
NUTRI 302	KINES 418	Nutrition for Physical Performance	
PHOTO 380	JOUR 364	Multimedia Capture I	
PHOTO 381	JOUR 365	Multimedia Capture II	
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 318	ADMJ 349	Introduction to Crime, Deviance, and Social Control	
SOC 335	GERON 300	Sociology of Aging	
SOC 345	WGS 302	Global Women’s Issues	
TA 436	FASHN 335	Historic Costuming	
TAFILM 300	ENGLT 400	Introduction to Film	
WGS 302	SOC 345	Global Women’s Issues	

## 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](http://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
ANTH 110	ANTH 300, 480
ANTH 115L	ANTH 301
ANTH 120	ANTH 310, 481
ANTH 150	ANTH 323
ARTH 100	ARTH 300
ARTH 110	ARTH 304, 306
ARTH 120	ARTH 308, 310
ARTH 130	ARTH 332
ARTH 145	ARTH 324
ARTH 150	ARTH 310
ARTS 100	ART 320
ARTS 101	ART 370
ARTS 110	ART 300
ARTS 200	ART 304
ARTS 205	ART 302
ARTS 220	ART 361
ARTS 230	ART 390
ARTS 240	ART 372
ARTS 270	ART 323
BIOL 115S	BIOL 430, 431
BIOL 150	BIOL 422
BIOL 155	BIOL 412
BIOL 190	BIOL 402
BUS 110	BUS 300
BUS 115	BUS 310
BUS 120	BUS 345
BUS 125	BUS 340
BUS 140	CISC 310
CDEV 100	ECE 312
CDEV 110	ECE 314
CHEM 102	CHEM 306
CHEM 110	CHEM 400
CHEM 120S	CHEM 400, 401
CHEM 150	CHEM 420
CHEM 160	CHEM 421
CHEM 160S	CHEM 420, 421, 425, 426
CMUS 110	MUSM 330
CMUS 120	MUSM 306

C-ID COURSE	SCC COURSE
CMUS 130	MUSM 342
CMUS 150	MUSM 320
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
COMM 190	COMM 315
COMP 112	CISP 360
COMP 122	CISP 400
COMP 132	CISP430
COMP 142	CISP 310
COMP 152	CISP 440
ECE 120	ECE 300
ECE 130	ECE 320
ECE 200	ECE 326
ECE 210	ECE 321
ECE 220	ECE 415
ECE 230	ECE 430
ECON 201	ECON 304
ECON 202	ECON 302
EDUC 200	ECE 350
ENGL 100	ENGWR 300, 488
ENGL 105	ENGWR 302, 482
ENGL 110	ENGWR 303
ENGL 120	ENGWR 301, 303
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	ENGWC 400
ENGR 130	ENGR 422
ENGR 180	ENGR 310
ENGR 260	ENGR 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 391, 392, 393, 394
GEOL 101	GEOL 302

C-ID COURSE	SCC COURSE
GEOL 110	GEOL 310
GEOL 110L	GEOL 311
GEOL 120	GEOL 305
GEOL 120L	GEOL 306
GEOL 200	GEOL 345
HIST 130	HIST 310, 320, 483
HIST 140	HIST 311, 321, 484, 487
HIST 150	HIST 307
HIST 160	HIST 308
HIST 170	HIST 300
HIST 180	HIST 302
ITIS 120	CISC 310
ITIS 150	CISN 340
JOUR 100	JOUR 310, COMM 351, ENGWR 384
JOUR 110	JOUR 300
JOUR 120	JOUR 364, PHOTO 380
JOUR 130	JOUR 410
JOUR 131	JOUR 411
JOUR 160	JOUR 360, PHOTO 350
MATH 110	STAT 300, STAT 480
MATH 140	MATH 340
MATH 220	MATH 401
MATH 240	MATH 420
MATH 250	MATH 410
MUS 100	MUFHL 305
MUS 110	MUFHL 320
MUS 120	MUFHL 400
MUS 130	MUFHL 401
MUS 140	MUFHL 410
MUS 150	MUFHL 411
MUS 160	MUIVI 410
MUS 180	MUP 325, 335, 355, 356, 406, 407, 424
NUTRI 110	NUTRI 300, 480
NUTRI 120	NUTRI 330
PHIL 100	PHIL 300
PHIL 120	PHIL 310
PHIL 130	PHIL 330, 480
PHIL 140	PHIL 331, 481
PHIL 210	PHIL 325
PHYS 105	PHYS 350
PHYS 110	PHYS 360
PHYS 200S	PHYS 410, 420, 430

C-ID COURSE	SCC COURSE
PHYS 205	PHYS 410
PHYS 210	PHYS 420
PHYS 215	PHYS 430
POLS 110	POLS 301, 481
POLS 120	POLS 320
POLS 130	POLS 302
POLS 140	POLS 310, 480
PSY 110	PSYC 300, 480
PSY 120	PSYC 340
PSY 130	PSYC 356
PSY 150	PSYC 310
PSY 170	PSYC 320
PSY 180	PSYC 370, FCS 324
PSY 200	PSYC 335
SOCI 110	SOC 300, 480
SOCI 115	SOC 301, 481
SOCI 120	SOC 302
SOCI 130	SOC 310, FCS 320
SOCI 140	SOC 341
SOCI 150	SOC 321, 482
SOCI 160	ADMJ 349, SOC 318
SPAN 100	SPAN 401
SPAN 110	SPAN 402
SPAN 200	SPAN 411
SPAN 210	SPAN 412
SPAN 220	SPAN 413
SPAN 230	SPAN 415
THTR 111	TA 300
THTR 113	TA 302
THTR 151	TA 350
THTR 152	TA 351
THTR 171	TA 420
THTR 173	TA 422
THTR 174	TA 430
THTR 175	TA 437
THTR 191	TAP 300, 301, 302, 303, 320, 321, 322, 323, 340, 341, 342, 343, 360, 361, 362, 363, 380, 381, 382, 383
THTR 192	TAP 310, 311, 312, 313, 330, 331, 332, 333, 350, 351, 352, 353, 370, 371, 372, 373, 390, 391, 392, 393

## Transfer Information

Students can plan to transfer while also planning on completion of an AA or AS degree. 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, room 147, or visit [ASSIST.org](http://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 and University of California, Davis 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, room 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 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 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### General Education – Breadth Requirements and Certification

##### 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 qualify 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 916-278-7315.

#### 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**  
**2019-20**

To complete these requirements, students must have a 2.0 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 A1,A2,A3, and Area B4 with a grade of "C" or better**,
3. **2.0 grade point average** for all transferable course work completed.

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

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

<b>Area A – English Language Communication and Critical Thinking</b> (9 units minimum)	
One course from each numbered section (A1, A2, and A3)	
<b>A1 - Oral Communication</b> COMM 301, 311**, 331, 361	
<b>A2 - Written Communication</b> ENGWR 300, 488; ESLW 340	
<b>A3 - Critical Thinking</b> COMM 311**, 315, 316; ENGRD 310; ENGWR 301, 302, 303, 482; PHIL 300**, 320, 325, SOC 305	
<b>Area B – Scientific Inquiry and Quantitative Reasoning</b> (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 <b>(L)</b> . The lecture course must be taken concurrently with or prior to the laboratory. There is no Area B3 because it is the laboratory activity that is included in B1 or B2.	
<b>B1 - Physical Science</b> 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), 325, 345; PHYS 310, 350(L), 360(L), 410(L), 420(L), 430(L)	
<b>B2 - Life Science</b> ANTH 300, 301 (L only), 480; BIOL 305(L), 308, 309 (L only), 314, 315, ( L only ), 326, 327 (L only), 342**, 350, 351, 352, 370(L), 402(L), 412(L), 422(L), 430(L), 431(L), 434, 440(L); PSYC 310, 311 (L only)	
<b>B3 - Laboratory Activity</b> (one course from B1 or B2 with a "L" or "L only" designation).	
<b>B4 - Mathematics/Quantitative Reasoning:</b> BUS 320; CISP 440; ECON 310; MATH 300, 310, 335, 340, 342, 350, 351, 352, 370, 400, 401, 402, 410, 420; STAT 300, 480	
<b>Area C – Arts and Humanities</b> (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.	
<b>NOTE:</b> Courses designated with an * in area C1 or C2 are repeatable for credit, <u>only one</u> can be used to satisfy the general education requirement in Area C.	
<b>C1 - Arts: Arts, Cinema, Dance, Music, Theater</b> ART 300, 305, 320, 324, 337, 370*, 380, 390, 400; ARTH 300, 301, 304, 306, 307, 308, 310, 312, 313, 314, 318, 320, 324, 325, 328, 332, 334, 410, 484, 486, 487, 488; COMM 305; DDSN 305; ENGLT 400, 403**, 404; FASH 330; HUM 332**, 352**, MUFHL 305, 309, 310, 311, 315, 320, 330, 400, 401, 410, 411, 481, 482; MUIVI 380, 381, 382, 383; MUP 340*, MUSM 342, 344; TA 300, 302, 303, 308, 364, 370 (2 units), 404, 437, 454; TAFILM 300, 302, 303, 304, 307**, 320*	

	<p><b>C2 - Humanities: Literature, Philosophy, Languages Other than English</b></p> <p>ARABIC 401, 402; CANT 401, 402, 411, 412; DEAF 310, 312, 314, 316, 353, 355, 380; ENGCW 400, 410; ENGLT 303, 304, 310, 311, 317, 320, 321, 327, 328, 331, 332, 334**, 335, 345, 346, 360, 365, 370, 380, 392, 401, 403**, 480, 481; ESLR 340; FASHN 330; FREN 401, 402, 411, 412; GREEK 401, 402; HIST 300**, 302**, 307**, 308**, 310**, 311**, 314**, 320**, 321**, 360**, 364**, 365**, 373**, 375**, 380**, 483**, 484**, 485**; HUM 300, 310, 320, 332**, 352**; ITAL 401, 402; JAPAN 401, 402, 411, 412; KOREAN 401, 402; MAND 401, 402, 411, 412; PHIL 300**, 306, 310, 330, 331, 338, 352, 368**, 480, 481; PNJABI 401, 402; PRSIAN 401, 402; RUSS 401, 402, 411, 412; SPAN 401, 402, 411, 412, 413, 415; 425, 427; TAFLIM 307 **; TGLG 401, 402; VIET 401, 402</p>
	<p><b>Area D – Social Sciences</b> (9 units minimum)</p> <p>Three courses from at least two different subject areas.</p>
	<p>U.S. History, Constitution and American Ideals- CSU graduation requirement but not part of the CSU Certification. Can count toward the 9 units for AREA D.</p> <p>POLS 301** or 481** <b>paired with</b> HIST 310** or 311** or 320** or 321** or 483** or 484**</p> <p><b>OR</b></p> <p>HIST 310** or 320** or 483** <b>paired with</b> HIST 311** or 321** or 484** or POLS 301** or 304** or 481**</p>
	<p>ADMJ 349; ANTH 310, 320, 323, 331, 332, 334, 341, 481; BUS 330, 345; COMM 321, 325, 341, 351; DEAF 351; ECE 312**, 314**; ECON 302, 304; ENGLT 334**; ENGWR 384; ETHNS 300, 320, 330, 340, 341, 350, 351; FCS 320**, 324**; 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**, 381, 483**, 484**, 485; JOUR 310, 320; NUTRI 310; PHIL 368**; POLS 301**, 302, 303, 304**, 310, 312, 313, 320, 322, 340, 350, 480, 481**; PSYC 300, 314, 316, 320, 335, 340**, 352, 356**, 360**, 364, 367, 370**, 374**, 390**, 392** (2 units), 480; SOC 300, 301, 302, 310**, 318, 319, 321, 335**, 341**, 343, 344**, 345, 350, 375, 480, 481, 482; WGS 300, 302</p>
	<p><b>Area E. Lifelong Learning and Self Development</b> (3 units minimum)</p>
	<p>BIOL 342**; ECE 312**, 314**, 415; FCS 320**, 324**; GERON 300**, 302**; HCD 310; HEED 300; 301, 353, KINES 411, 418; NUTRI 300, 302, 330, 480; Physical Education Activity (not more than one unit of PE activity may count in Area E with the following prefixes) FITNS, KINES, PACT, SPORT, TMACT; PSYC 340**, 356**, 358, 360**, 370**, 374**, 390**, 392** (2 units), 410; SOC 310**, 335**, 341**, 344**</p>

**2019-20 Intersegmental General Education Transfer Curriculum (IGETC)**  
**University of California or California State University**

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.

**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.**

<b>Area 1- English Communication</b>	
For CSU—three courses required, one from each Area 1A, 1B and 1C	
For UC—two courses required, one from each Area 1A, 1B	
For AA-T/AS-T - Area 1C MUST be completed	
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; SOC 305	
1C - Oral Communication - <u>CSU REQUIREMENT</u> and AA-T/AS-T degree ONLY (one course, 3 units required) COMM 301, 311, 331, 361	
<b>Area 2 - Mathematical Concepts and Quantitative Reasoning</b> (one course, 3 units required) CISP 440; ECON 310; MATH 300, 340, 350, 351, 370, 400, 401, 402, 410, 420; STAT 300, 480	
<b>Area 3 - Arts and Humanities</b> (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; DDSN 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 300, 302, 303, 304, 320	
3B - Humanities ANTH 331**; ARTH 301, 484; CANT 411, 412; DEAF 314, 316, 380; ENGLT 303, 304, 310, 311, 317, 320, 321, 327, 328, 331, 332, 334, 335, 345, 346, 360, 365, 380, 392, 401, 403**, 480, 481; FASH 330, FREN 411, 412; HIST 300, 302, 307**, 308**, 310**, 311**, 314**, 320**, 321**, 360**, 364, 365, 373, 375, 380**, 483**, 484**, 485**; HUM 300, 310, 320, 332, 352; JAPAN 411, 412; MAND 411, 412; PHIL 300, 306, 310, 330, 331, 338, 352, 368, 480, 481; RUSS 411, 412; SPAN 411, 412, 413, 415, 425, 427; TAFILM 307	
<b>Area 4 (Area 4A-4J in ASSIST) - Social and Behavioral Sciences</b> (three courses, 9 units required) Three courses from at least two disciplines.	
ADMJ 349; ANTH 310, 320, 323, 331**, 332, 334, 341, 481; BUS 345; COMM 321, 325, 335, 351; DEAF 355, 362; ECE 312, 314; ECON 302, 304; ENGWR 384; ETHNS 300, 320, 330, 340, 341, 350, 351; FCS 320, 324; GEOG 302, 310, 320; GERON 300, 302; HIST 307, 308, 309, 310*, 311*, 314, 320*, 321*, 344, 360**, 375, 380**, 381, 483*, 484*, 485; JOUR 310, 320; NUTRI 310; POLS 301*, 302, 303, 304*, 310, 312, 313, 320, 322, 340, 350, 480, 481*; PSYC 300, 316, 320, 335, 340, 352, 356, 360, 364, 367, 370, 374, 390, 480; SOC 300, 301, 302, 310, 318, 319, 321, 335, 341, 343, 344, 345, 350, 480, 481, 482; WGS 300, 302	

**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 that is designated with an (L). The lecture course must be taken concurrently with or prior to the laboratory.

	<b>5A - Physical Science</b> 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), 325, 345; PHYS 310, 350 (L), 360 (L), 410 (L), 420 (L), 430 (L)
	<b>5B - Biological Science</b> ANTH 300, 301 (L only), 480; BIOL 305 (L), 308, 309 (L only), 314, 315 (L only), 326, 327 (L only), 342, 350, 351, 352, 370 (L), 402 (L), 412 (L), 422 (L), 430 (L), 431 (L), 434, 440 (L); PSYC 310, 311 (L only)
	<b>5C - Laboratory Activity</b> (any course from 5A or 5B with an “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; 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

OR DEAF 310, 312, 314, 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

**(NOT PART OF IGETC)**

CSU Graduation Requirement in U.S. History, Constitution, and American Ideals, may be completed prior to transfer

Six units , choose one two-course combination from section 1 or 2:

1. POLS 301 or 481                   -PLUS-                   HIST 310 or 311 or 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

## 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	GLST - Global Studies
ADAPT - Adaptive Physical Education (See Kinesiology)	GREEK - Greek (See Foreign Languages)
ADMJ - Administration of Justice	HCD - Human Career Development
AERO - Aeronautics	HEED - Health Education
AH - Allied Health	HIST - History
ANIM - Animation (See Design and Digital Media)	HUM - Humanities
ANTH - Anthropology	HSER - Human Services
ARABIC - Arabic (See Foreign Languages)	INDIS - Interdisciplinary Studies
ART - Art	IS - International Studies (See Global Studies)
ARTH - Art History	ITAL - Italian (See Foreign Languages)
ASTR - Astronomy	JAPAN - Japanese (See Foreign Languages)
ATCAD - Air Traffic Control and Aircraft Dispatcher (See Aeronautics)	JOUR - Journalism
BIOL - Biology	KINES - Kinesiology
BIOLFS - Biology Field Studies	KOREAN - Korean (See Foreign Languages)
BUS - Business	LIBR - Library
BUSTEC - Business Technology (See Business)	LIBT - Library and Information Technology
CANT - Cantonese/Chinese (See Foreign Languages)	LTAT - Learning, Tutoring, and Academic Technology
CHEM - Chemistry	MAKR - Modern Making (See Interdisciplinary Studies)
CISA - Computer Information Science - Applications	MAND - Mandarin (See Foreign Languages)
CISC - Computer Information Science - Core	MATH - Mathematics
CISN - Computer Information Science - Network	MATHS - Mathematics Support
CISP - Computer Information Science - Programming	MET - Mechanical-Electrical Technology
CISS - Computer Information Science - Security	MGMT - Management (See Business)
CISW - Computer Information Science - Web	MKT - Marketing (See Business)
COMDE - Community Leadership Development	MODL - 3D Modeling (See Design and Digital Media)
COMM - Communication	MUFHL - Music Fundamentals/History and Literature (See Music)
COSM - Cosmetology	MUIVI - Instrumental/Voice Instruction (See Music)
DAST - Dental Assisting	MUP - Music Performance (See Music)
DDSN - Digital Design (See Design and Digital Media)	MUSM - Specializations in Music (See Music)
DEAF - Deaf Culture and American Sign Language Studies	NURSE - Nursing, Registered
DHYG - Dental Hygiene	NUTRI - Nutrition
ECE - Early Childhood Education	OTA - Occupational Therapy Assistant
ECON - Economics	PACT - Personal Activity (See Kinesiology)
EDT - Engineering Design Technology	PHIL - Philosophy
ENGR - Engineering	PHOTO - Photography
ENGW - English - Creative Writing	PHYS - Physics
ENGED - English - Education	POLS - Political Science
ENGLB - English - Laboratory	PRSIAN - Persian
ENGLT - English - Literature	PSYC - Psychology
ENGRD - English - Reading	PTA - Physical Therapist Assistant
ENGWR - English - Writing	PNJABI - Punjabi (See Foreign Languages)
ENTR - Entrepreneurship (See Business)	RAILR - Railroad Operations
ESL - English as a Second Language	RE - Real Estate (See Business)
ESLG - English as a Second Language - Grammar	RECR - Recreation
ESLL - English as a Second Language - Listening	RUSS - Russian (See Foreign Languages)
ESLLAB - English as a Second Language Lab	SGVT - Student Government
ESLP - English as a Second Language - Pronunciation	SOC - Sociology
ESLR - English as a Second Language - Reading	SPAN - Spanish (See Foreign Languages)
ESLW - English as a Second Language - Writing	SPORT - Sports (See Kinesiology)
ET - Electronics Technology	STAT - Statistics
ETHNS - Ethnic Studies	SURVY - Surveying (See Engineering Design Technology)
FASHN - Fashion	TA - Theatre Arts
FCS - Family and Consumer Science	TAFILEM - Theatre Arts Film
FITNS - Fitness (See Kinesiology)	TAP - Theatre Arts Performance
FLTEC - Flight Technology (see Aeronautics)	TGLG - Tagalog (See Foreign Languages)
FREN - French (See Foreign Languages)	TMACT - Team Activities (See Kinesiology)
GAME - Game Design (See Design and Digital Media)	VIET - Vietnamese (See Foreign Languages)
GCOM - Graphic Communication (see Design and Digital Media)	VN - Vocational Nursing
GEOG - Geography	WGS - Women and Gender Studies
GEOL - Geology	WEXP - Work Experience and Internships
GERON - Gerontology	

## Course Numbering System

Sacramento City College uses the standardized course numbering system 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, and intended to meet major, general education or elective credit requirements and may be articulated with four-year institutions. 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 Enrollment Limitations, 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.

An Enrollment Limitation is a requirement that must be met to enroll in a course or program. Enrollment in courses and programs may be limited due to health and safety considerations, requirements of a contracting agency, performance auditions or tryouts, or acceptance into a program.

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.

**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, room 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 the required course of study. The program also meets the needs of employed individuals seeking to learn applications of accounting theory as practiced in the field. The program provides the foundation for individuals to prepare financial statements and record business transactions for all types of business and industry. Students develop a strong knowledge base of U.S. Generally Accepted Accounting Principles (GAAP) and accounting procedures. Communication skills, teamwork, computer technology, and ethical behavior are also emphasized.

For those students interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that students meet with an SCC counselor to select and plan the courses to fulfill major requirements. Schools vary widely in terms of the required preparation. The courses that SCC requires for an A.S. degree in this major may be different from the requirements needed for a Bachelor's degree.

**Career Opportunities**

The Accounting degree is designed to provide the knowledge necessary for immediate employment at an entry or intermediate level accounting, recordkeeping, or clerk position with many private sector and government organizations. The degree is also designed to provide an excellent base of knowledge for those who would like to pursue an advanced degree in accounting, business, economics, or law. The accounting courses also meet unit requirements of local area governmental employers' promotional exams in accounting. All the accounting courses in this program can be used to meet unit requirements of the California State Board of Accountancy's Certified Public Accountant's exam.

**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 such as, but not limited to: individual taxation, auditing, governmental accounting, cost accounting, and payroll accounting.

**Required Program**

	<b>Units</b>
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.....	3
ACCT 343 Computer Spreadsheet Applications for Accounting .....	2
ACCT 361 Ethics, Fraud, and Legal Issues for Accountants .....	3
BUS 300 Introduction to Business.....	3
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 123 Federal and California Individual Income 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 315 Introduction to Electronic Spreadsheets (2)	

**Total Units Required****48****Suggested Elective**

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.

### Career Opportunities

Career opportunities include accounting clerk or entry-level bookkeeper positions such as: accounts payable clerk, accounts receivable clerk, billing clerk, payroll assistant, assistant bookkeeper, or office assistant.

### 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.

Required Program	Units
ACCT 101 Fundamentals of College Accounting .....	3
ACCT 121 Payroll Accounting.....	3
ACCT 341 Computerized Accounting.....	3
BUS 100 English for the Professional .....	3
BUS 105 Business Mathematics .....	3
CISA 305 Beginning Word Processing .....	2
CISA 315 Introduction to Electronic Spreadsheets .....	2
<b>Total Units Required</b>	<b>19</b>

### 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. 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.
- measure and categorize costs within a business organization.
- develop information useful to management in the budgeting, planning, and decision-making processes of an organization.
- calculate basic federal and California payroll taxes.
- demonstrate an understanding of federal and California personal income tax laws.
- 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 basic principles of business into accounting functions.

Required Program	Units
ACCT 101 Fundamentals of College Accounting .....	3
ACCT 121 Payroll Accounting .....	3
ACCT 123 Federal and California Individual Income Taxation .....	4
ACCT 301 Financial Accounting .....	4
ACCT 311 Managerial Accounting .....	4
ACCT 341 Computerized Accounting .....	3
BUS 100 English for the Professional .....	3
BUS 105 Business Mathematics .....	3
BUS 300 Introduction to Business .....	3
CISA 305 Beginning Word Processing .....	2
CISA 315 Introduction to Electronic Spreadsheets .....	2
CISA 316 Intermediate Electronic Spreadsheets .....	2
A minimum of 3 units from the following:.....	3
ACCT 109 Introduction to Ethics and Fraud in Accounting (1.5)	
BUS 310 Business Communications (3)	
BUS 340 Business Law (3)	

### Total Units Required

39

### 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)

<b>ACCT 101      Fundamentals of College Accounting      3 Units</b>		
<i>Prerequisite:</i> None.		
<i>Advisory:</i> ENGRD 110, ENGWR 101, and MATH 34 with a grade of "C" or better.		
<i>Hours:</i> 54 hours LEC		
This is an introductory course in small business accounting. It covers the accounting cycle for service and merchandising businesses. Topics include identifying and recording accounting transactions in the general and special journals, posting to the general ledger and subsidiary ledgers, preparation of a trial balance, adjusted trial balance and post-closing trial balance, and preparation of adjusting, correcting, and closing entries. Income statements, statements of owner's equity, and balance sheets are prepared and analyzed using basic financial ratios. Additional topics include cash management and bank reconciliations, accounting for sales and purchase discounts, sales taxes, merchandise inventory, and payroll. This course is highly recommended for students who intend to seek employment in a small service or merchandising business, is an excellent preparation course for further study in accounting and business, and is required for accounting degree and certificate candidates.		
<b>ACCT 103      Intermediate Accounting – Part I      4 Units</b>		
<i>Prerequisite:</i> ACCT 301 with a grade of "C" or better		
<i>Hours:</i> 72 hours LEC		
This course is a continuing study and application of accounting principles introduced in ACCT 301 as related to cash and cash flows, receivables, inventories, plant and equipment, intangible assets, current and long-term liabilities, and the time value of money. This course is not intended for transfer to a four-year college.		
<b>ACCT 104      Intermediate Accounting – Part II      4 Units</b>		
<i>Prerequisite:</i> ACCT 103 with a grade of "C" or better		
<i>Hours:</i> 72 hours LEC		
This course is a continuing study and application of financial accounting principles introduced in ACCT 301 and further expanded on in ACCT 103 as related to stockholders' equity, earnings per share, investments, revenue recognition, cash flows, accounting changes, disclosure and reporting, and analysis of financial statements. This course introduces the study of income taxes, deferred income taxes, long-term construction contracts, pension plans, capital/finance leases, and restatement of financial statements. This course is not intended for transfer to a four-year college.		
<b>ACCT 107      Auditing      3 Units</b>		
<i>Prerequisite:</i> ACCT 301 with a grade of "C" or better		
<i>Advisory:</i> ACCT 103 with a grade of "C" or better		
<i>Hours:</i> 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.		
<b>ACCT 109      Introduction to Ethics and Fraud in Accounting      1.5 Units</b>		
<i>Prerequisite:</i> None.		
<i>Advisory:</i> ACCT 101, ENGRD 110, and ENGWR 101; with a grade of "C" or better.		
<i>Hours:</i> 27 hours LEC		
This course explores ethical theories and ethical issues in small businesses through the use of discussions and case studies. Common types of fraud and fraud prevention techniques are also explored.		
<b>ACCT 111      Cost Accounting      3 Units</b>		
<i>Prerequisite:</i> ACCT 311 with a grade of "C" or better		
<i>Hours:</i> 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.		
<b>ACCT 121      Payroll Accounting      3 Units</b>		
<i>Prerequisite:</i> ACCT 101 with a grade of "C" or better		
<i>Hours:</i> 54 hours LEC		
This course covers the basic fundamentals and current practices in payroll processing, payroll accounting, and payroll tax reporting. Federal and state compliance pertaining to payroll processing and tax reporting will be studied. Topics include the Federal Labor Standards Act (FLSA) and state wage and hour laws and how they affect the payroll workflow.		
<b>ACCT 123      Federal and California Individual Income Taxation      4 Units</b>		
<i>Prerequisite:</i> None.		
<i>Advisory:</i> ENGRD 310 with a grade of "C" or better; ACCT 101 or ACCT 301 with a grade of "C" or better.		
<i>Hours:</i> 72 hours LEC		
This course is a study of basic Federal and California income tax regulations with an introduction to more advanced individual income tax topics. The course emphasizes the skills necessary for the preparation of individual income tax returns. Included are filing requirements, determination of taxable income, allowable deductions, tax computation, tax credits, other taxes, payment methods, and audit procedures. This course is recommended for accounting majors and is not part of the State of California CTEC program.		
<b>ACCT 138      Small Business Taxes      2 Units</b>		
<i>Prerequisite:</i> None.		
<i>Advisory:</i> ACCT 101 with a grade of "C" or better		
<i>Hours:</i> 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.		
<b>ACCT 151      Governmental Auditing      3 Units</b>		
<i>Prerequisite:</i> ACCT 153 with a grade of "C" or better		
<i>Hours:</i> 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.		

<b>ACCT 153     Governmental Accounting</b>	<b>3 Units</b>	<b>ACCT 311     Managerial Accounting</b>	<b>4 Units</b>
<i>Prerequisite: ACCT 301 with a grade of "C" or better Hours: 54 hours LEC</i>		<i>Prerequisite: ACCT 301 with a grade of "C" or better Advisory: ENGRD 310 and MATH 100 with grades of "C" or better; or placement through the assessment process; with a grade of "C" or better Course Transferable to UC/CSU Hours: 72 hours LEC</i>	
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.		This course is the study of how managers use accounting information in decision-making, planning, directing operations, and controlling. The course focuses on cost terms and concepts, cost behavior, cost structure, and cost-volume-profit analysis. It includes issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. (C-ID ACCT 120)	
<b>ACCT 290     Accounting Clerk Practicum</b>	<b>2 Units</b>	<b>ACCT 341     Computerized Accounting</b>	<b>3 Units</b>
<i>Prerequisite: ACCT 101 or 301 with a grade of "C" or better Advisory: ACCT 341 and CISA 315 with grades of "C" or better Hours: 31 hours LEC; 15 hours LAB</i>		<i>Prerequisite: ACCT 101 or 301 with a grade of "C" or better Course Transferable to CSU Hours: 54 hours LEC</i>	
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 job search and job application skills and basic business writing.		This course emphasizes the major areas of a computerized accounting system: general ledger, accounts receivable and revenues, accounts payable and expenses and purchases, fixed assets and depreciation, cash receipts and cash disbursements, bank reconciliations, job order costing, adjusting and closing entries, and financial statements. The course provides practical experience in the use of master files, transactions, and reports. Individual sections of this course will use software designed for small businesses such as QuickBooks, Sage 50, or other contemporary software accounting systems.	
<b>ACCT 292     Full Charge Bookkeeper Practicum</b>	<b>2 Units</b>	<b>ACCT 343     Computer Spreadsheet Applications for Accounting</b>	<b>2 Units</b>
<i>Prerequisite: ACCT 290 with a grade of "C" or better Corequisite: ACCT 311 Hours: 31 hours LEC; 15 hours LAB</i>		<i>Prerequisite: ACCT 101 or ACCT 301 with grades of "C" or better, AND CISA 315 with a grade of "C" or better. Advisory: ACCT 311 with a grade of "C" or better Course Transferable to CSU Hours: 36 hours LEC</i>	
This course introduces various management skills necessary to the supervision of the accounting function in an organization. As part of this course, simulated and real-world financial and managerial accounting projects will be completed. This is a capstone course in the Full Charge Bookkeeper certificate program.		This course combines the study of accounting and computer spreadsheets. Projects include financial statements, financial analysis, payroll, inventory, data analysis, and other accounting topics. The course focuses on clarity, creativity, and presentation skills.	
<b>ACCT 295     Independent Studies in Accounting</b>	<b>1-3 Units</b>	<b>ACCT 361     Ethics, Fraud, and Legal Issues for Accountants</b>	<b>3 Units</b>
<i>Prerequisite: None. Hours: 162 hours LAB</i>		<i>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</i>	
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.		This course explores ethics, fraud, and legal issues that must be addressed by accountants, including exploration through case studies. Topics include ethical foundations as well as the unique ethical requirements of professional organizations and the California Board of Accountancy. The course also examines the legal liability of accountants. A variety of case studies are evaluated to gain perspective into ethical lapses, fraud, and legal liability.	
<b>ACCT 299     Experimental Offering in Accounting</b>	<b>.5-4 Units</b>		
<i>Prerequisite: None. Hours: 72 hours LEC See Experimental Offerings.</i>			
<b>ACCT 301     Financial Accounting</b>	<b>4 Units</b>		
<i>Prerequisite: None. Advisory: ACCT 101, 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</i>			
This course examines accounting as an information system, evaluating why it is important and how it is used by investors, creditors, and others to make business decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. The course includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. This course is required of all business majors, minors, and accounting degree and certificate candidates. (C-ID ACCT 110)			

**ACCT 495    Independent Studies in Accounting                  1-3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 162 hours LAB*

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 towards 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

Kacey Gardner, Dean  
Rodda Hall North, room 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 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

21

### 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

#### 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 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### 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.

<b>Required Program</b>	<b>Units</b>
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)	
<b>Total Units Required</b>	<b>18</b>

**Associate in Science for Transfer**

The Associate in Science in Administration of Justice for Transfer (AST) 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      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)

<b>ADMJ 303</b>	<b>Substance Abuse: Effects on Body and Behavior</b>	<b>3 Units</b>	<b>ADMJ 320</b>	<b>Concepts of Criminal Law</b>	<b>3 Units</b>
Same As: PSYC 405			Prerequisite: None.		
Prerequisite: None.			Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.		
Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better			Course Transferable to UC/CSU		
General Education: AA/AS Area III(b)			Hours: 54 hours LEC		
Course Transferable to UC/CSU			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)		
Hours: 54 hours LEC					
This course will educate students in drug identification, signs and symptomatology, methods of use, duration of effect, behaviors, addiction, and treatment options. The course examines historical and contemporary perspectives of substance abuse issues, epidemiologic data used to establish the prevalence, incidence, and identity of at risk groups, and trends of substances of abuse and approaches to treatment. This course is especially advised for people who are seeking or working in careers in health, law enforcement, counseling, psychology, business, social services, or teaching. Credit may be earned for either PSYC 405 or ADMJ 303, but not for both.					
<b>ADMJ 304</b>	<b>Juvenile Delinquency</b>	<b>3 Units</b>	<b>ADMJ 321</b>	<b>Substantive Criminal Law</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: ADMJ 320 with a grade of "C" or better.		
Advisory: ENGWR 101 and ENGRD 310 with grades "C" or better			Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better		
Course Transferable to CSU			Course Transferable to CSU		
Hours: 54 hours LEC			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)			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.		
<b>ADMJ 315</b>	<b>Pathway to Public Safety Service Careers</b>	<b>3 Units</b>	<b>ADMJ 322</b>	<b>Criminal Procedures</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: ENGRD 310 and ENGWR 300 or ESLR 310 and ESLW 310 with a grade of "C" or better.			Advisory: ENGWR 101 and ENGRD 310 with grades "C" or better		
General Education: AA/AS Area III(b)			Course Transferable to CSU		
Course Transferable to CSU			Hours: 54 hours LEC		
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)		
This course is designed for students who are pursuing careers in public safety services. Topics of this course include the history, structure, purpose, and function of federal, state and local government services, as well as characteristics and function of careers that provide services for the well-being and safety to the public. This course examines the values and mission employed by public agencies, and also explores the complex relationship between communities and the institutions and agencies charged with their governance. Lastly, this course provides an overview of the complexity and thoroughness of the pre-employment testing processes involved in testing for jobs in public safety assignments. Emphasis is placed on career readiness, employment and career search techniques, application processes, pre-employment testing, interviews, background investigations, and conditional job offers.					
<b>ADMJ 323</b>	<b>Legal Aspects of Evidence</b>	<b>3 Units</b>	<b>ADMJ 330</b>	<b>Criminal Investigation</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: ENGWR 101 and ENGRD 310 with grades "C" or better			Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.		
Course Transferable to CSU			Course Transferable to CSU		
Hours: 54 hours LEC			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. (C-ID AJ 124)					

<b>ADMJ 331</b>	<b>Patrol Procedures</b>	<b>3 Units</b>	<b>ADMJ 349</b>	<b>Introduction to Crime, Deviance, and Social Control</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Same As: SOC 318</i>		
<i>Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Advisory: ENGRD 110 and ENGWR 101, or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better</i>		
<i>Hours: 54 hours LEC</i>			<i>General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4</i>		
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.			<i>Course Transferable to UC/CSU</i>		
<b>ADMJ 332</b>	<b>Introduction to Forensic Anthropology</b>	<b>3 Units</b>	<i>Hours: 54 hours LEC</i>		
<i>Same As: ANTH 303</i>			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. (C-ID SOCI 160)		
<i>Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better</i>					
<i>Advisory: ANTH 300 with a grade of "C" or better</i>					
<i>General Education: AA/AS Area IV</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 54 hours LEC</i>					
This course is an overview of forensic anthropology, an applied field of physical anthropology. Forensic anthropology uses the analysis of human skeletal remains to answer medico-legal questions. This course emphasizes current techniques used in analysis of human skeletal remains, medico-legal procedures, and the role of the anthropologist in the investigative process. It examines the basics of bone biology, methods of skeletal analysis, and recognition of bone pathology and trauma. Students may earn credit for either ANTH 303 or ADMJ 332 but not for both.					
<b>ADMJ 335</b>	<b>Profiling Terrorism</b>	<b>3 Units</b>	<b>ADMJ 494</b>	<b>Topics in Administration of Justice</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 72 hours LEC</i>		
This course examines the world wide phenomenon known as terrorism. Students will study the social-historical origins of terrorism and the ideologies and philosophies of terrorist groups on a national and international level. Emphasis will be on exploring the law enforcement/intelligence methods utilized to prevent and respond to terrorist-related crime.			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.		
<b>ADMJ 340</b>	<b>Introduction to Correctional Services</b>	<b>3 Units</b>	<b>ADMJ 495</b>	<b>Independent Studies in Administration of Justice</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.</i>			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 162 hours LAB</i>		
<i>Hours: 54 hours LEC</i>			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.		
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. (C-ID AJ 200)					
<b>ADMJ 346</b>	<b>Probation and Parole</b>	<b>3 Units</b>			
<i>Prerequisite: None.</i>					
<i>Advisory: ENGRD 310 and ENGWR 101 with grades of "C" or better</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 54 hours LEC</i>					
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 498      Work Experience in                  1-4 Units  
Administration of Justice**

*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                  .5-4 Units  
Administration of Justice**

*Prerequisite: None*

*Course Transferable to CSU*

*Hours: 72 hours LEC*

See Experimental Offering

## Aeronautics AERO

### Degrees:

- A.S. – Airframe
- A.S. – Combined Airframe and Powerplant
- A.S. – Powerplant

### Certificates of Achievement:

- Airframe
- Combined Airframe and Powerplant
- Powerplant

### 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.

### Division of Advanced Technology

**Donnetta Webb**  
**Technology, room 106**  
**916-558-2491**

- 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
<b>Total Units Required</b>	<b>50</b>

### 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.

<b>Required Program</b>	<b>Units</b>
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
<b>Total Units Required</b>	<b>66</b>

### **Suggested Elective**

AERO 200

### **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.

## **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.

<b>Required Program</b>	<b>Units</b>		
AERO 300 General Airframe and Powerplant.....	5	<b>AERO 301 General Airframe and Powerplant Applications</b>	<b>3 Units</b>
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		
<b>Total Units Required</b>	<b>42</b>		

**Suggested Electives**

AERO 340, 341, 350, 351

**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 Certified 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 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.*

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, and AC and DC circuit system components). Minimum attendance is mandated by the Federal Aviation Administration.

### **AERO 303 Basic Electricity, Airframe and Powerplant Electrical Systems Applications**      **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.

<b>AERO 311</b>	<b>Powerplant Theory and Maintenance Applications</b>	<b>3 Units</b>	<b>AERO 322</b>	<b>Airframe Systems and Components Applications</b>	<b>3 Units</b>
<i>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.</i>			<i>Prerequisite: AERO 309 with a grade of "C" or better</i>	<i>Corequisite: Concurrent enrollment in AERO 320</i>	
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	<i>Hours: 180 hours LAB</i>	
<i>Hours: 180 hours LAB</i>			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.		
<b>AERO 312</b>	<b>Powerplant Systems and Components</b>	<b>5 Units</b>	<b>AERO 323</b>	<b>Airframe Structures and Systems Applications</b>	<b>3 Units</b>
<i>Prerequisite: AERO 309 with a grade of "C" or better</i>			<i>Prerequisite: AERO 309 with a grade of "C" or better</i>	<i>Corequisite: Concurrent enrollment in AERO 321</i>	
<i>Advisory: Concurrent enrollment in AERO 313</i>			<i>Course Transferable to CSU</i>	<i>Hours: 180 hours LAB</i>	
<i>Course Transferable to CSU</i>			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.		
<i>Hours: 90 hours LEC</i>					
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.					
<b>AERO 313</b>	<b>Powerplant Systems and Components Applications</b>	<b>3 Units</b>	<b>AERO 330</b>	<b>Advanced Airframe and Powerplant Inspection</b>	<b>5 Units</b>
<i>Prerequisite: AERO 309 with a grade of "C" or better; Concurrent enrollment in AERO 312 or completion with a grade of "C" or better.</i>			<i>Prerequisite: AERO 300, 301, 302, 303, 320, 321, 322, and 323 with grades of "C" or better.</i>	<i>Corequisite: Concurrent enrollment in AERO 332</i>	
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	<i>Hours: 90 hours LEC</i>	
<i>Hours: 180 hours LAB</i>			This course provides the theory of the following: Advanced Airframe and Powerplant mechanic privileges and limitations, aircraft and engine electrical systems, communication systems, engine electrical systems, navigation and autopilot systems, fluid lines, fittings, maintenance forms and records, maintenance publications, as well as weight and balance calculations. Minimum attendance is mandated by the Federal Aviation Administration.		
This course provides skills development projects related to AERO 312 as required by the Federal Aviation Administration. Units of instruction include familiarization with and operation of test equipment required in overhauling reciprocating and turbine powerplant components and engine test cell operations. Minimum attendance is mandated by the Federal Aviation Administration.					
<b>AERO 320</b>	<b>Airframe Systems and Components</b>	<b>5 Units</b>	<b>AERO 331</b>	<b>Advanced Structures and Systems Inspection</b>	<b>5 Units</b>
<i>Prerequisite: AERO 309 with a grade of "C" or better</i>			<i>Prerequisite: AERO 300, 301, 302, 303, 310, 311, 312, and 313 with grades of "C" or better.</i>	<i>Corequisite: Concurrent enrollment in AERO 333</i>	
<i>Corequisite: Concurrent enrollment in AERO 322</i>			<i>Course Transferable to CSU</i>	<i>Hours: 90 hours LEC</i>	
<i>Course Transferable to CSU</i>			This course provides the theory of the following: Airframe system inspection, Powerplant system inspection, assembly and rigging processes, ground operation and servicing, cleaning and corrosion control, and aircraft instrument systems. Minimum attendance is mandated by the Federal Aviation Administration.		
<i>Hours: 90 hours LEC</i>					
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.					
<b>AERO 321</b>	<b>Airframe Structures</b>	<b>5 Units</b>			
<i>Prerequisite: AERO 309 with a grade of "C" or better</i>					
<i>Corequisite: Concurrent enrollment in AERO 323</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 90 hours LEC</i>					
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.					

<b>AERO 332 Advanced Airframe and Powerplant Inspection Applications</b>	<b>3 Units</b>	<b>AERO 499 Experimental Offering in Aeronautics</b>	<b>.5-4 Units</b>
<i>Prerequisite: AERO 300, 301, 302, 303, 320, 321, 322, and 323 with grades of "C" or better.</i>		<i>Prerequisite: None</i>	
<i>Corequisite: Concurrent enrollment in AERO 330</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to CSU</i>		<i>Hours: 54 hours LEC; 36 hours LAB</i>	
<i>Hours: 180 hours LAB</i>		<i>See Experimental Offering</i>	
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.			
<b>AERO 333 Advanced Structures and Systems Inspection Applications</b>	<b>3 Units</b>		
<i>Prerequisite: AERO 300, 301, 302, 303, 310, 311, 312, and 313 with grades of "C" or better.</i>			
<i>Corequisite: Concurrent enrollment in AERO 331</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 180 hours LAB</i>			
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.			
<b>AERO 494 Topics in Aeronautics, Aviation Maintenance</b>	<b>.5-4 Units</b>		
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 72 hours LEC</i>			
This is a specialized course developed in conjunction with industry partners to address emerging industry training needs.			
<b>AERO 495 Independent Studies in Aeronautics</b>	<b>1-3 Units</b>		
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 162 hours LAB</i>			
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.			
<b>AERO 498 Work Experience in Aeronautics</b>	<b>1-4 Units</b>		
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 72 hours LEC; 216 hours LAB</i>			
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.			

## Aviation ATCAD, FLTEC

### Degrees:

- A.S. – Air Traffic Control
- A.S. – Aircraft Dispatcher
- A.S. – Flight Technology

### Certificates of Achievement:

- Aircraft Dispatcher
- Flight Technology

## Air Traffic Control

### Associate in Science Degree

#### Program Information

Sacramento City College maintains an Air Traffic Control program in partnership with the Federal Aviation Administration's (FAA) Collegiate Training Institute program. Our Associate of Science degree program is designed to provide students with a professional level of aviation knowledge and to allow students to compete for selection to attend the FAA Academy in a preferential selection pool.

The program is structured as an intensively-scheduled cohort learning program. Students will be taking a total of 14-15 units in a series of 4-8 week classes during each of the three semesters. Individual classes may require knowledge gained in prior classes, therefore scheduling individual classes outside of the cohort or taking courses out of sequence is not permitted.

The program covers all the FAA learning objectives of the FAA Academy's AT Basics course in a 3-semester series (14-15 units per semester) of cohort classes. Students must complete the degree to receive hiring consideration in the preferential pool.

Current FAA hiring requirements for Air Traffic Controllers include a maximum age of 30 years at the time of application and U.S. citizenship. Students must complete the degree to receive hiring consideration in the preferential pool.

This program meets the needs of students who want to pursue further training opportunities for work in an FAA facility, work in a contract ATC facility, or work in an ATC facility for the military. It is also suitable for students seeking an expanded knowledge of aviation flight operations and traffic flow management.

#### Career Opportunities

Employment opportunities exist within the Federal Aviation Administration's National Air Traffic Control system for Air Traffic Controllers and Remote Pilot Operators (RPO's), with numerous contract facilities throughout the country, and with the military worldwide.

#### 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:

- interpret Federal Aviation Regulations that pertain to Air Traffic Control procedures.
- utilize correct air-to-ground and ground-to-air communication terminology and phraseology.
- interpret and disseminate terminal and en-route weather reports.
- apply Air Traffic Control procedures in simulated radar approach control, terminal, and enroute environments.

#### 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

### Division of Advanced Technology

Donnetta Webb  
Technology, room 106  
916-558-2491

ATCAD 303 Advanced En Route Procedures .....	3.5
FLTEC 100 Introduction to Aviation Careers (1).....	1-3
or FLTEC 300 Introduction to Aviation (3)	
FLTEC 302 Aviation Weather .....	3
FLTEC 304 Human Factors and Risk Management in Aviation .....	3
FLTEC 306 Federal Aviation Regulations .....	3
FLTEC 310 Instrument Pilot/Instructor Ground School .....	4
FLTEC 312 Air Navigation, Airspace, and Communication.....	3
FLTEC 314 Large Aircraft Systems.....	5
FLTEC 321 Commercial Pilot Ground School .....	3
FLTEC 330 Airplane Aerodynamics.....	3

**Total Units Required** **42-44**

#### 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

#### Program Information

Sacramento City College maintains a Federal Aviation Administration (FAA) authorized 14 CFR Part 65 Aircraft Dispatcher (AD) Program. Our one-year certificate and two-year degree programs are designed to meet the needs of students who desire the technical training in order to qualify for the written, oral, and practical tests for the FAA Aircraft Dispatcher Certificate.

This is an intensive aviation program that brings participants with little or no aviation knowledge up to a knowledge level required by working aviation professionals. The program is taught in a three-semester sequence cohort, with 15 credit units per semester for the first two semesters, and 3-6 credit units for the final semester. It is recommended that all general education requirements for the degree be completed before registering for the aviation-specific cohort classes.

All required courses must be passed with a grade of "C" or better. In the final semester, students will be required to take the FAA Aeronautical Knowledge Test for Aircraft Dispatcher (ADX written). Students must be 21 years of age to take the exam. This exam is given on a PASS/FAIL basis by testing centers authorized by the FAA but not affiliated with Sacramento City College. Costs for the exam currently range from \$150-\$165.

Students who successfully complete the FAA written exam and complete the program are eligible to take the FAA Practical Exam. In accordance with FAA regulations, the authorization to take the exam is valid for 90 days after completion of the course. Sacramento City College normally makes arrangements to have an FAA Dispatch Examiner present at the college within that window. Costs for the Dispatch Practical Exam range from \$500 to \$750.

Upon passing the FAA Practical Exam, graduates aged 23 years or more are certificated to perform the duties of an aircraft dispatcher for a 14 CFR Part 121 Air Carrier. Those who have not reached age 23 are issued an FAA Letter of Competency which may be presented to any FAA Flight Standards Office for issuance of the Aircraft Dispatcher certificate on or after their 23rd birthday.

## 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.

## Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- The Federal Aviation Administration requires that all applicants read, write, speak, and understand the English language. FAA guidance on language proficiency can be found in the current version of Advisory Circular AC60-28 and the Level 4 proficiency standards of ICAO Doc 9835.
- Successful completion of one of the prerequisite course; FLTEC 100 Introduction to Aviation Careers or FLTEC 300 Introduction to Aviation.
- Students must complete FLTEC 314, Large Aircraft Systems and FLTEC 310, Instrument Pilot in the semester immediately prior to enrolling in ATCAD 310 Practical Dispatch, or complete a diagnostic assessment exam demonstrating sufficient retention of aviation knowledge from the Flight Technology core curriculum.
- The Federal Aviation Administration requires that applicants for the Aircraft Dispatcher written exam be at least 21 years of age. It is expected that students complete the exam before the midway point of the final course in the program (ATCAD 310 Practical Dispatch).

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

- perform the required duties of an Aircraft Dispatcher, as outlined by the Federal Aviation Administration.
- demonstrate a readiness to take the oral and practical examinations for the Federal Aviation Administration's aircraft dispatcher certificate.
- apply concepts learned such as weather analysis, large aircraft systems, regulations, and human factors to practical Aircraft Dispatcher problems.

### Required Program

### Units

ATCAD 310 Aircraft Dispatcher Operations .....	3.5
FLTEC 100 Introduction to Aviation Careers (1) .....	1-3
or FLTEC 300 Introduction to Aviation (3)	
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 .....	4
FLTEC 312 Air Navigation, Airspace, and Communication.....	3
FLTEC 314 Large Aircraft Systems.....	5
FLTEC 321 Commercial Pilot Ground School .....	3
FLTEC 330 Airplane Aerodynamics.....	3
<b>Total Units Required</b>	<b>31.5 – 33.5</b>

### 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

### Certificate of Achievement

#### Program Information

Sacramento City College maintains a Federal Aviation Administration (FAA) authorized 14 CFR Part 65 Aircraft Dispatcher (AD) Program. Our one-year certificate and two-year degree programs are designed to meet the needs of students who desire the technical training in order to qualify for the written, oral, and practical tests for the FAA Aircraft Dispatcher Certificate.

This is an intensive aviation program that brings participants with little or no aviation knowledge up to a knowledge level required by working aviation professionals. The program is taught in a three-semester sequence cohort, with 15 credit units per semester for the first two semesters, and 3-6 credit units for the final semester. It is recommended

that all general education requirements for the degree be completed before registering for the aviation-specific cohort classes.

All required courses must be passed with a grade of "C" or better. In the final semester, students will be required to take the FAA Aeronautical Knowledge Test for Aircraft Dispatcher (ADX written). Students must be 21 years of age to take the exam. This exam is given on a PASS/FAIL basis by testing centers authorized by the FAA but not affiliated with Sacramento City College. Costs for the exam currently range from \$150-\$160.

Students who successfully complete the FAA written exam and complete the program are eligible to take the FAA Practical Exam. In accordance with FAA regulations, the authorization to take the exam is valid for 90 days after completion of the course. Sacramento City College normally makes arrangements to have an FAA Dispatch Examiner present at the college within that window. Costs for the Dispatch Practical Exam range from \$500 to \$750.

Upon passing the FAA Practical Exam, graduates aged 23 years or more are certificated to perform the duties of an aircraft dispatcher for a 14 CFR Part 121 Air Carrier. Those who have not reached age 23 are issued an FAA Letter of Competency which may be presented to any FAA Flight Standards Office for issuance of the Aircraft Dispatcher certificate on or after their 23rd birthday.

## Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- The Federal Aviation Administration requires that all applicants read, write, speak, and understand the English language. [14 CFR 65.53(b)(2)]
- Successful completion of one of the prerequisite courses; FLTEC 100 Introduction to Aviation Careers or FLTEC 300 Introduction to Aviation.
- Students must complete FLTEC 310, Instrument Pilot/Instructor Ground School and FLTEC 314, Large Aircraft Systems in the semester immediately prior to enrolling in ATCAD 310 Practical Dispatch, or complete a diagnostic assessment exam demonstrating sufficient retention of aviation knowledge from the Flight Technology core curriculum.
- The Federal Aviation Administration requires that applicants for the Aircraft Dispatcher written exam be at least 21 years of age. It is expected that students complete the exam before the midway point of the final course in the program (ATCAD 310 Practical Dispatch).

## 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>

## 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.

### Required Program

### Units

ATCAD 310 Aircraft Dispatcher Operations .....	3.5
FLTEC 100 Introduction to Aviation Careers (1).....	1-3
or FLTEC 300 Introduction to Aviation (3)	
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 .....	4
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
<b>Total Units Required</b>	<b>34.5 – 36.5</b>

## Certificate of Achievement

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

## Flight Technology

### Associate in Science Degree

#### Program Information

The Flight Technology A.S. Degree program is designed for students who want to pursue professional careers in aviation flight operations, or who wish to continue their aviation studies in a baccalaureate program. During the course of the program the student will qualify to take the written portions of the FAA Private, Instrument, Commercial Pilot, Basic and Advanced Ground Instructor and the Certified Flight Instructor Instrument examinations. Examinations are given at FAA-authorized locations not related to the college. Each exam is given on a PASS/FAIL basis, and costs between \$150 and \$200. Results of the exams are valid for 2 years after the date of examination.

This is an intensive, broad-based aviation program that brings participants with little or no aviation knowledge up to a knowledge level required by working aviation professionals. The program is taught in cohorts, with 12 to 15 credit units per semester. It is recommended that all general education requirements for the degree be completed before registering for aviation-specific cohort classes.

#### Career Opportunities

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

#### Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- The Federal Aviation Administration requires (AC 60-28) that all applicants read, write, speak, and understand the English language.
- Successfully complete the one of the prerequisite courses; FLTEC 100 Introduction to Aviation Careers or FLTEC 300 Introduction to Aviation. Or
- Hold an FAA or ICAO-compliant Private Pilot certificate. Or
- Have documented significant and recent (within the last 5 years) military or civilian aviation operations experience.

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

- demonstrate the knowledge and skills to qualify for the written portions of the Federal Aviation Administration examinations for pilot and instructor.
- perform navigational pre-flight planning.
- assemble and analyze terminal and en-route weather data.
- calculate departure, en-route, and arrival performance data.
- assess risk factors to aircraft operations and apply the appropriate safety and communications protocols to mitigate the risks.

#### Required Program

#### Units

FLTEC 300 Introduction to Aviation .....	3
FLTEC 302 Aviation Weather .....	3
FLTEC 304 Human Factors and Risk Management in Aviation .....	3
FLTEC 306 Federal Aviation Regulations .....	3
FLTEC 310 Instrument Pilot/Instructor Ground School .....	4
FLTEC 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

#### 33

#### 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.

## Flight Technology

### Certificate of Achievement

#### Program Information

Sacramento City College maintains one-year certificate and two-year degree programs organized to offer pilot academic ground instruction. The Flight Technology Program is a 33 unit, 10 course program.

All required courses must be passed with a grade of "C" or better.

During the course of the program the student will qualify to take the written portions of the FAA Private, Instrument, Commercial Pilot, Basic and Advanced Ground Instructor and the Certified Flight Instructor Instrument examinations. Examinations are given at FAA-authorized locations not related to the college. Each exam is given on a PASS/FAIL basis, and costs between \$150 and \$200. Results of the exams are valid for 2 years after the date of examination.

This is an intensive, broad-based aviation program that brings participants with little or no aviation knowledge up to a knowledge level required by working aviation professionals. The program is taught in cohorts, with 12 to 15 credit units per semester.

#### Career Opportunities

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

#### 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 (AC 60-28) that all applicants read, write, speak, and understand the English language.
- Successfully complete the one of the prerequisite courses; FLTEC 100 Introduction to Aviation Careers or FLTEC 300 Introduction to Aviation. Or
- Hold an FAA or ICAO-compliant Private Pilot certificate. Or
- Have documented significant and recent (within the last 5 years) military or civilian aviation operations experience.

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

- demonstrate the required knowledge and skills in order to qualify for the written portions of the Federal Aviation Administration examinations for pilot and instructor.
- perform navigational pre-flight planning.
- assemble and analyze terminal and en-route weather data.
- calculate departure, en-route, and arrival performance data.
- assess risk factors to aircraft operations and apply the appropriate safety and communications protocols to mitigate the risks.

<b>Required Program</b>	<b>Units</b>
FLTEC 300 Introduction to Aviation.....	3
FLTEC 302 Aviation Weather .....	3
FLTEC 304 Human Factors and Risk Management in Aviation .....	3
FLTEC 306 Federal Aviation Regulations.....	3
FLTEC 310 Instrument Pilot/Instructor Ground School .....	4
FLTEC 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
<b>Total Units Required</b>	<b>33</b>

**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.

## 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: 45 hours LEC; 54 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.

**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: 45 hours LEC; 54 hours LAB*

This course continues the training of ATCAD 300 with lecture and simulator lab experience in more advanced concepts of procedures and skills related to Terminal Radar Control (TRACON) operations. Advanced topics in aircraft identification, voice communication, phraseology, facility and inner-facility coordination, strip markings, air traffic control, TRACON functions, runway visibility, weather observations, communication failures, and emergencies will be taught and practiced. One field trip to an operating TRACON facility may be scheduled.

**ATCAD 302 Basic En Route Procedures 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 provides lecture and simulator lab experience in the fundamental rules and procedures required in the en route environment. Areas such as air-to-ground and ground-to-air communications, radar control, Visual Flight Rules (VFR) and Instrument Flight Rules (IFR) en route procedures, aircraft identification, voice communications, phraseology, facility and inter-facility coordination, strip markings, and clearances will be taught and practiced.

**ATCAD 303 Advanced En Route Procedures 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: 45 hours LEC; 54 hours LAB*

This course is a continuation of ATCAD 302 provides lecture and simulator lab experience in advanced rules and procedures required in the en route environment. Areas such as air-to-ground and ground-to-air communication, radar control, Visual Flight Rules (VFR) and Instrument Flight Rules (IFR) en route procedures, aircraft identification, communication failures, clearances, strip markings, radio and satellite navigation systems, aviation weather services, and emergency procedures in complex airspaces and across multiple positions will be taught and practiced.

**ATCAD 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, .5-4 Units Flight Technology**

*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.

<b>FLTEC 302    Aviation Weather</b>	<b>3 Units</b>	<b>FLTEC 306    Federal Aviation Regulations</b>	<b>3 Units</b>
<i>Prerequisite: FLTEC 100 or 300 with a grade of "C" or better Course Transferable to CSU Hours: 54 hours LEC</i>		<i>Prerequisite: FLTEC 100 or 300 with a grade of "C" or better Course Transferable to CSU Hours: 54 hours LEC</i>	
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.		This course is an in-depth study of Title 14 of the Code of Federal Regulations, Parts 1, 5, 43, 61, 65, 68, 71, 73, 91, 110, 117, 119, 121, and 135, Letters of Agreement, Standard Operating Procedures, Aeronautical Information Manual (AIM), Title 49 Sections related to Aviation Security and the Safe Transport of Dangerous Goods by Air, and the National Transportation Safety Board (NTSB) 830 for reporting aircraft accidents.	
<b>FLTEC 303    Remote Pilot – Small Unmanned Aircraft Systems</b>	<b>3 Units</b>	<b>FLTEC 310    Instrument Pilot/ Instructor Ground School</b>	<b>4 Units</b>
<i>Prerequisite: None. Advisory: The minimum age for issuance of an FAA Remote Pilot – SUAS certificate is 16 years of age. Certificates are issued subject to the results of a Transportation Security Administration personal threat assessment. Course Transferable to CSU Hours: 54 hours LEC</i>		<i>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: 72 hours LEC</i>	
This course prepares the student to take the FAA aeronautical knowledge test that is required for the issuance of a Remote Pilot – Small Unmanned Aircraft Systems certificate. Topics include federal and state regulations governing the use of Unmanned Aircraft Systems, airspace and aeronautical chart reading, aviation weather, and crew resource management.		This course is an introduction to the principles of instrument flying to include: Instrument Flight Rules (IFR), instruments, meteorology, navigation, IFR approaches, IFR departures, IFR enroute, communications, air traffic control, and aero medical factors. This course meets the Federal Aviation Administration (FAA) requirements for Instrument Pilot, Instrument Ground Instructor, and Instrument Flight Instructor written exam eligibility.	
<b>FLTEC 304    Human Factors and Risk Management in Aviation</b>	<b>3 Units</b>	<b>FLTEC 311    Aerial Photography- Remote System</b>	<b>3 Units</b>
<i>Prerequisite: FLTEC 320 with a grade of "C" or better Course Transferable to CSU Hours: 54 hours LEC</i>		<i>Same As: PHOTO 341 Prerequisite: PHOTO 302 and 312 with grades of "C" or better; equivalent or technical competency determined by a photography department faculty member upon evaluation of photography portfolio. Enrollment Limitation: Students must hold a current FAA Remote Pilot-Small Unmanned Aircraft Systems certificate to participate in class. Course Transferable to CSU Hours: 36 hours LEC; 54 hours LAB</i>	
This course provides an overview of human factors that relate to aviation operations safety, risk evaluation and management, aeronautical decision making, and crew resource management. These factors will be used in analyzing how humans contribute to aircraft accidents and in developing risk management strategies.		This course will prepare and train students in the latest aerial data capture and imaging techniques used commercially with remote drone pilots. The course is designed for those already certified by the FAA (Remote Pilot – Small UAS under 14 CFR Part 107) and pursuing competent skills in both navigating while simultaneously capturing and imaging destinations and activities specific to their industry. Topics include individual or team flight capture and imaging techniques, video vs. still capture compositions, effective gimbal operation and dynamic preprogrammed flight capture. The course will also train students to edit and merge content for presentation in person and on the Internet. Credit may be earned for either PHOTO 341 or FLTEC 311 but not for both.	
<b>FLTEC 305    Remote Pilot Flight Operations</b>	<b>3 Units</b>	<b>FLTEC 312    Air Navigation, Airspace, and Communication</b>	<b>3 Units</b>
<i>Prerequisite: Must meet one of the following: Successful completion of or concurrent enrollment in FLTEC 303, or hold a current FAA Remote Pilot-Small Unmanned Aircraft Systems certificate. Enrollment Limitation: Performance of actual flights are subject to acceptable weather and airspace conditions. If the instructor or instructional assistant observes a student operating an aircraft in an unsafe manner or a manner contrary to the requirements of 14 CFR Part 107 or the SCC Flight Operations Manual, the student will be removed from the course. Course Transferable to CSU Hours: 24 hours LEC; 90 hours LAB</i>		<i>Prerequisite: FLTEC 100 or 300 with a grade of "C" or better Course Transferable to CSU Hours: 54 hours LEC</i>	
This course is designed to give students practical experience in conducting commercial unmanned aerial vehicle flight operations. Students will develop basic flying skills and experience with small multi-rotor and fixed-wing unmanned aircraft. The course also includes gaining experience in developing and utilizing flight operations documentation and checklists. Students will be able to utilize these skills when using commercial UAV systems in a variety of future employment and research opportunities.		This course is designed to teach the aeronautics student the basics of navigation, airspace, and communication. The fundamentals of pilotage, dead reckoning, radio navigation using ground and spaced-based aids, and internal long-range navigation systems will be applied to flight planning. Requirements for airspace and air traffic controller communication will be covered.	

<b>FLTEC 314 Large Aircraft Systems</b>	<b>5 Units</b>	<b>FLTEC 340 Helicopter Aerodynamics</b>	<b>3 Units</b>
<p><i>Prerequisite: FLTEC 310, 320, and 330 with grades of "C" or better; or has documented evidence of the aviation experience requirements of 14 CFR 65.57(a).</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 90 hours LEC</i></p> <p>This Boeing 7XX Series general familiarization course is designed for students desiring to become pilots, air traffic controllers, air dispatchers, turbojet flight engineers, or technicians on large, complex aircraft typically flown by the airline industry. All Boeing systems will be covered in detail such as: avionics, hydraulics, pneumatics, pressurization, air conditioning, electrics, fire protection, ice and rain protection, engine operation, flight performance, and take-off and landing data. Weight and balance computations and emergency procedures will also be included.</p>		<p><i>Prerequisite: None.</i></p> <p><i>Advisory: FLTEC 320 with a grade of "C" or better</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>	
<b>FLTEC 319 Fundamentals of Instruction for Aviation Instructors</b>	<b>3 Units</b>	<b>FLTEC 350 Private Pilot-Helicopter Flight Techniques</b>	<b>3 Units</b>
<p><i>Prerequisite: None.</i></p> <p><i>Advisory: COMM 301 and FLTEC 320 with grades of "C" or better.</i></p> <p><i>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.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>This course provides in-depth instruction in the Fundamentals of Instruction (FOI) for aviation flight and ground instructors as required by the Federal Aviation Administration (FAA), under Part 61 of Title 14 of the Code of Federal Regulations. Students will be required to develop detailed written syllabi and deliver an oral presentation that meets FAA standards of instruction.</p>		<p><i>Prerequisite: 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.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 162 hours LAB</i></p> <p>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.</p>	
<b>FLTEC 320 Private Pilot Ground School</b>	<b>3 Units</b>	<b>FLTEC 352 Instrument Pilot-Helicopter Flight Techniques</b>	<b>3 Units</b>
<p><i>Prerequisite: None.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>The basic principles of flight, meteorology, navigation, communication, weight and balance, aircraft systems and instruments, performance, flight procedures, air traffic control, and regulations will be explained. The course provides the necessary information that will enable the student to be eligible to take the Private Pilot, Sport Pilot, and basic Certificated Ground School Instructor knowledge exam.</p>		<p><i>Prerequisite: 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.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 162 hours LAB</i></p> <p>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.</p>	
<b>FLTEC 321 Commercial Pilot Ground School</b>	<b>3 Units</b>		
<p><i>Prerequisite: FLTEC 320 with a grade of "C" or better; or Instructor's Permission.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>			
<b>FLTEC 330 Airplane Aerodynamics</b>	<b>3 Units</b>		
<p><i>Prerequisite: FLTEC 100 or 300 with a grade of "C" or better</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>			

<b>FLTEC 354      Commercial Pilot-Helicopter Flight Techniques      1 Unit</b>	<b>FLTEC 362      Instrument Pilot-Airplane Flight Techniques      3 Units</b>
<p><i>Prerequisite: FLTEC 100, 302, 304, 306, 312, 321, and 330 with grades of "C" or better</i></p> <p><i>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.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LAB</i></p> <p>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.</p>	<p><i>Prerequisite: FLTEC 100, 302, 304, 306, 310, 312, 320, and 330 with grades of "C" or better</i></p> <p><i>Enrollment Limitation: If student is not a U.S. Citizen, the student must complete the required Transportation Security Administration background check prior to enrollment. The student must obtain an FAA Medical Certificate verifying that the student meets current FAA medical fitness requirements. 14 CFR requires that the student must read, write, speak and understand the English language. FAA guidance on language proficiency can be found in the current version of Advisory Circular AC60-28 and the Level 4 proficiency standards of ICAO Doc 9835. The student must possess an FAA Private Pilot-Airplane certificate. The student must have accrued required flight experience by 14 CFR Part 61.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 162 hours LAB</i></p> <p>The course will provide the flight training and experience required to allow the addition of an Instrument-Airplane rating to a student's existing pilot certificate. Course content includes instruction in aircraft systems, Federal Aviation Administration regulations, U.S. Airspace System, weight and balance, aircraft performance, aviation weather, flight publications, radio navigation, cross-country planning and navigation, basic attitude instrument flying, instrument approach procedures and techniques, and flight safety. The student must complete the appropriate flight lessons and receive FAA Instrument-Airplane certification to satisfactorily complete the course.</p>
<b>FLTEC 360      Private Pilot-Airplane Flight Techniques      3 Units</b>	<b>FLTEC 364      Commercial Pilot-Airplane Flight Techniques      2 Units</b>
<p><i>Prerequisite: FLTEC 100 or 300 with a grade of "C" or better</i></p> <p><i>Enrollment Limitation: If student is not a U.S. Citizen, the student must complete the required Transportation Security Administration background check prior to enrollment. Student must obtain an FAA Medical Certificate verifying that the student meets current FAA medical fitness requirements. 14 CFR requires that the student must read, write, speak and understand the English language. FAA guidance on language proficiency can be found in the current version of Advisory Circular AC60-28 and the Level 4 proficiency standards of ICAO Doc 9835.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 162 hours LAB</i></p> <p>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.</p>	<p><i>Prerequisite: FLTEC 302, 304, 306, 312, 321, 330, 360, and 362 with grades of "C" or better; Must hold or obtain an FAA First or Second Class medical certificate issued under 14 CFR Part 67.</i></p> <p><i>Enrollment Limitation: If student is not a U.S. Citizen, the student must complete the required Transportation Security Administration background check prior to enrollment. Student must obtain the required FAA Medical Certificate verifying that the student meets current FAA medical fitness requirements. 14 CFR requires that the student must read, write, speak and understand the English language. FAA guidance on language proficiency can be found in the current version of Advisory Circular AC60-28 and the Level 4 proficiency standards of ICAO Doc 9835. Student must possess an FAA Private Pilot-Airplane certificate. Student must have accrued required flight experience as required by 14 CFR Part 61.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 108 hours LAB</i></p> <p>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.</p>
<b>FLTEC 499      Experimental Offering in Flight Technology</b>	<b>.5-4 Units</b>
<p><i>Prerequisite: None</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p>	

**Allied Health****AH****Degree:****A.S. – Pre-Health Occupations****Certificate of Achievement:****Community Health Care Worker  
Pre-Health Occupations****Community Health Care Worker****Certificate of Achievement****Program Information**

The Community Health Care Worker Certificate of Achievement consists of multi-disciplinary coursework to prepare individuals to work within the social service, public health, or health care workforce as Community Health Workers. This certificate program is designed to provide training in front-line public health care with an understanding of and connection to the communities served. It also provides training in facilitating patient access to health and social services to improve the quality and cultural competence of service delivery. Students will develop the skills to provide culturally appropriate health education and information, assist people in receiving the care they need, give informal counseling and guidance on health behaviors, and advocate for individuals and community health needs.

**Career Opportunities**

Common job titles for CHWs include: patient/health navigator, case manager/case worker, health educator, community health educator, community outreach worker, and enrollment specialist. Community health workers (CHW) serve as liaisons/intermediaries between health and social services and the community to promote, maintain and improve individual and community access to health care services; assist individuals and communities to adopt healthy behaviors; and improve the quality and cultural competence of services delivered. Common tasks/responsibilities include: facilitating access to health services (scheduling appointments, completing provider forms, scheduling transportation); conducting outreach to community members; and providing community and health education.

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

- clarify roles, responsibilities, and scope of practice of Community Health Workers.
- investigate complex service delivery systems within the U.S. healthcare system and key legal responsibilities within the context of health service delivery systems.
- compile and define accepted terminology to describe findings, patterns, habits, and behaviors of clients.
- report and record abnormal findings, patterns, habits, and behaviors of clients for purpose of clinical documentation.
- recommend prevention methodologies that decrease the development of common diseases/disorders and reduce high-utilization of unnecessary healthcare services by applying culturally appropriate and evidenced-based health education practices.
- identify conditions in which people are born, grow, work, live, and age and the wider set of forces and systems shaping the conditions of daily life.
- evaluate and inventory available community resources, including health and social services.
- demonstrate knowledge and proficiency with technology, including web-based applications, MS Office, and electronic health record systems.
- develop communication skills used with patients, community partners, and medical personnel.
- demonstrate the ability to advocate for individual and community health.
- incorporate professional and ethical boundaries, conflict resolution, self-care, time management, and skills for providing and receiving constructive feedback to assist in working within a professional setting.

**Division of Science and Allied Health**

**James Collins, Dean  
South Gym, room 220  
916-558-2271**

**Required Program**

	<b>Units</b>
AH 101 Introduction to Community Health Work .....	1.5
AH 103 U.S. Healthcare Systems and Third Party Payers .....	2
AH 105 Community Health Resources .....	2
AH 106 Communication for Allied Health Careers (2).....	2
AH 110 Medical Language for Health-Care Providers.....	3
AH 121 Social Determinants of Health.....	2
AH 301 Health Care in a Multicultural Society .....	3
HEED 314 Community First Aid and Safety.....	2
SOC 375 Introduction to Community Development .....	3
SOC 382 Introduction to Casework in Social Services.....	3
SOC 385 Practicum in Sociology .....	1 – 4
A minimum of 3 units from the following:.....	3
ADMJ 303 Substance Abuse: Effects on Body and Behavior (3)	
or PSYC 405 Substance Abuse: Effects on Body and Behavior (3)	
ADMJ 304 Juvenile Delinquency (3)	
ADMJ 340 Introduction to Correctional Services (3)	
ECE 312 Child Development (3)	
ECE 314 The Child, the Family and the Community (3)	
ECE 402 Infants with Atypical Development (3)	
ECE 415 Children's Health, Safety and Nutrition (3)	
ETHNS 300 Introduction to Ethnic Studies (3)	
SOC 301 Social Problems (3)	
or SOC 481 Social Problems – Honors (3)	
SOC 335 Sociology of Aging (3)	
or GERON 300 Sociology of Aging (3)	
SOC 344 Sociology of Women's Health (3)	

**Total Required Units****27.5-30.5****Certificate of Achievement**

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

**Pre-Health Occupations****Associate in Science Degree****Program Information**

The Pre-Health Occupations Associate in Science degree offers an interdisciplinary approach of study for students interested in a variety of allied health careers. The degree will allow students to pursue a rigorous course of study before selecting the health occupation that best suits their career interests. With an emphasis on basic science and culturally competent patient care, the degree offered will prepare students to excel in a wide-range of health care fields. Students completing the degree will be prepared to enter programs for careers in nursing, dental hygiene or assisting, occupational therapy assisting, physical therapist assisting, and others. Students may also choose to complete this degree in preparation for transfer to a Health Sciences Baccalaureate degree program. Completion of the program does not guarantee enrollment in any health occupation program.

**Career Opportunities**

Upon completion students are prepared to enter a range of Allied Health and Nursing training programs. This may include training programs for professions such as: nursing, dental hygiene, physical therapist assistant, occupational therapy assistant, respiratory therapy, and radiology technician.

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

- adhere to safety protocols and proper lab techniques.
- demonstrate professionalism in a range of interactions and settings.
- articulate career options and necessary educational pathways.
- demonstrate ability to read and understand basic medical terminology.
- demonstrate self-responsibility as part of an academic community and a health care team.
- list all eleven body systems and describe the structure and function of each system.
- receive feedback as a tool for personal and professional growth.
- describe the role that culture and diversity play in patient care.
- distinguish between subjective viewpoints and objective data.
- use qualitative and quantitative methods to interpret data.
- use evidence as a foundation for critical thinking and decision-making.
- describe the principles of nutrition and their effect on health.

<b>Required Program</b>	<b>Units</b>
AH 108 Introduction to Allied Health (1) .....	0.5 – 1.5
or DAST 100 Introduction to Dental Assisting (1)	
or DHYG 100 Introduction to Dental Hygiene (0.5)	
or OTA 100 Introduction to Occupational Therapy (1)	
or PTA 100 Introduction to Physical Therapist Assistant (1.5)	
AH 110 Medical Language for Health-Care Providers .....	3
ANTH 310 Cultural Anthropology (3) .....	3
or ANTH 481 Honors Cultural Anthropology (3)	
or SOC 300 Introductory Sociology (3)	
or SOC 321. Race, Ethnicity and Inequality in the United States (3)	
or SOC 480 Introductory Sociology – Honors (3)	
or SOC 482 Race, Ethnicity and Inequality in the United States – Honors (3)	
BIOL 100 Introduction to Concepts of Human Anatomy and Physiology (3) .....	3 – 10
or BIOL 431 Anatomy and Physiology (5)	
and BIOL 430 Anatomy and Physiology (5)	
BIOL 440 General Microbiology .....	4
CHEM 309 Integrated General, Organic, and Biological Chemistry (5) .....	5 – 10
or CHEM 305 Introduction to Chemistry (5)	
and CHEM 306 Introduction to Organic and Biological Chemistry (5)	
COMM 301 Introduction to Public Speaking (3) .....	3
or COMM 331 Group Discussion (3)	
ENGWR 300 College Composition (3) .....	3 – 4
or ESLW 340 Advanced Composition (4)	
or ENGWR 488 Honors College Composition and Research (4)	
FCS 324 Human Development: A Life Span (3) .....	3
or PSYC 370 Human Development: A Life Span (3)	
NUTRI 300 Nutrition (3) .....	3
or NUTRI 480 Nutrition Honors (3)	
PSYC 300 General Principles (3) .....	3
or PSYC 480 Honors General Principles (3)	
<b>Total Required Units</b>	<b>33.5 – 47.5</b>

**Associate in Science Degree**

The Pre-Health Occupations Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

**Pre-Health Occupations****Certificate of Achievement****Program Information**

The Pre-Health Occupations Certificate of Achievement consists of general education and prerequisite coursework for students preparing to enter nursing and allied health programs. Opportunities for career exploration are provided, as well as skill development in professionalism and cultural competency. The certificate program is

designed to help students develop self-advocacy skills and a strong academic foundation necessary to study in a health occupations program. Upon successful completion of this coursework, students achieve recognition in the form of a certificate. Completion of the certificate does not guarantee enrollment in any health occupation programs.

**Career Opportunities**

The need for nursing and allied health providers has increased in the last several years. This program is designed for students contemplating a career in vocational or registered nursing, dental assisting, dental hygiene, occupational therapy assisting, or physical therapy assisting as well as other allied health careers.

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

- describe career options in the healthcare field and their related educational pathways.
- demonstrate basic academic strategies for success in health programs.
- demonstrate ability to read and understand basic medical terminology.
- list all eleven body systems and describe the structure and function of each system.
- discuss the milestones in physical, cognitive, social, and emotional development of humans from conception through the lifespan and how these relate to healthcare practice.
- explain general principles of psychology and the psychological factors that influence health and illness in human conditions.
- examine cultural factors that influence communication, compliance, and outcomes in healthcare settings and develop strategies for cultural competency.
- recognize the professional behavior that is required of healthcare providers.

<b>Required Program</b>	<b>Units</b>
AH 108 Introduction to Allied Health (1).....	0.5 – 1.5
or DAST 100 Introduction to Dental Assisting (1)	
or DHYG 100 Introduction to Dental Hygiene (0.5)	
or OTA 100 Introduction to Occupational Therapy (1)	
or PTA 100 Introduction to Physical Therapist Assistant (1.5)	
AH 110 Medical Language for Health-Care Providers.....	3
ANTH 301 Health Care in a Multicultural Society (3) .....	3
or ANTH 310 Cultural Anthropology (3)	
or ANTH 481 Honors Cultural Anthropology (3)	
or SOC 300 Introductory Sociology (3)	
or SOC 321 Race, Ethnicity and Inequality in the United States (3)	
or SOC 480 Introductory Sociology – Honors (3)	
or SOC 482 Race, Ethnicity and Inequality in the United States – Honors (3)	
BIOL 100 Introduction to Concepts of Human Anatomy and Physiology (3) .....	3 – 10
or BIOL 430 Anatomy and Physiology (5)	
and BIOL 431 Anatomy and Physiology (5)	
ENGRD 110 Comprehension Strategies and Vocabulary Development For College (3) .....	3 – 4
or ENGRD 208 Reading for Academic Achievement (3)	
or ENGRD 310 Critical Reading as Critical Thinking (3)	
or ENGRD 312 Academic Textbook Reading (3)	
or ESLR 340 Advanced Reading Skills Through Literature (4)	
A minimum of 3 units from the following: .....	3
FCS 324 Human Development: A Life Span (3)	
or PSYC 370 Human Development: A Life Span (3)	
PSYC 300 General Principles (3) .....	3
or PSYC 480 Honors General Principles (3)	

**Total Required Units** **15.5-24.5**

**Certificate of Achievement**

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

## 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 101 Introduction to Community Health Work 1.5 Units

*Prerequisite: None.*  
*Advisory: ENGRD 110, ENGWR 101, and LIBR 318 with grades of "C" or better*

*Hours: 27 hours LEC*  
This course is designed to introduce students to the broad perspective of community health work by applying different concepts with emphasis on health promotion and primary health care. The course will examine different health promotion and disease prevention strategies that are used as primary health and population-based methods. Public health, home health care settings, and clinic/hospital-based services will be addressed. Emphasis is placed on family-wellness and illness in various community settings using examples of various communities and cultural settings throughout California. Aspects of community health are explored based on a demographic and epidemiological approach as well as building an environmental awareness and acquiring problem-solving and critical thinking skills.

### AH 102 Health Education of Patients and Family 1 Unit

*Prerequisite: None.*  
*Advisory: LIBR 307 with a grade of "C" or better*

*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 103 U.S. Healthcare Systems and Third Party Payers 2 Units

*Prerequisite: None.*  
*Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better*

*Hours: 36 hours LEC*  
The United States healthcare system is complex, organized by systems and programs by which health services are made available to the population and financed by government entities, private enterprises, or both. Various systems work on different aspects of providing care throughout the spectrum of health. This course provides an overview of the United States healthcare system as it has developed during the past century. Students are expected to achieve a basic understanding of the building blocks in anticipation of future careers and employment in the healthcare industry of the United States.

### AH 104 Aging and its Implications for Health Care .5 Units

*Prerequisite: None.*  
*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 105 Community Health Resources 2 Units

*Prerequisite: None.*  
*Advisory: CISC 300 or LIBR 307 with a grade of "C" or better*

*Hours: 36 hours LEC*  
This course is designed to introduce students to the broad perspective of community health resources in the Greater Sacramento Service Area. Through various lectures from representatives of area organizations, students will gather community resources to assist clients with addressing their health needs.

### AH 106 Communication for Allied Health Careers 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.

<b>AH 121</b>	<b>Social Determinants of Health</b>	<b>2 Units</b>	<b>AH 301</b>	<b>Health Care in a Multicultural Society</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better</i>			<i>Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better.</i>		
<i>Hours: 36 hours LEC</i>			<i>General Education: AA/AS Area III(b); AA/AS Area VI</i>		
Social determinants of health are the conditions in which people are born, grow, live, work, and age. These factors can all have an impact on health. This course will help students understand health inequalities and how they are socially driven. Students will look at how health is affected by wider determinants and how they can make a difference as health professionals to close the health inequality gap. Through a range of case studies from high to low income countries, the student will gain a better understanding of social determinants of health, why health inequalities exist, and the role of health professionals and systems in reducing health inequality.			<i>Course Transferable to CSU</i>		
<b>AH 126</b>	<b>Sensation and Daily Life: Strategies for Success</b>	<b>1 Unit</b>	<b>AH 312</b>	<b>Medical Terminology In Spanish</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>General Education: AA/AS Area III(b)</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 18 hours LEC</i>			<i>Hours: 18 hours LEC</i>		
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.			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.		
<b>AH 290</b>	<b>Allied Health Skills and Applications</b>	<b>.5 Unit</b>	<b>AH 495</b>	<b>Independent Studies in Allied Health</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Corequisite: Concurrent enrollment in an allied health, dental assisting or hygiene, nursing, occupational therapy assistant, or physical therapist assistant course.</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 27 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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.			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.		
<b>AH 295</b>	<b>Independent Studies in Allied Health</b>	<b>1-3 Units</b>	<b>AH 499</b>	<b>Experimental Offering in Allied Health</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None</i>		
<i>Hours: 162 hours LAB</i>			<i>Course Transferable to CSU</i>		
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).			<i>Hours: 54 hours LEC</i>		
			<i>See Experimental Offering</i>		
<b>AH 299</b>	<b>Experimental Offering in Allied Health</b>	<b>.5-4 Units</b>			
<i>Prerequisite: None</i>					
<i>Hours: 90 hours LEC</i>					
See Experimental Offerings					

**Anthropology****ANTH****Degree:****A.A. – Anthropology****AA-T – Anthropology for Transfer****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 Biological Anthropology (3) .....	3
or ANTH 480 Honors Biological Anthropology (3)	
ANTH 301 Biological Anthropology Laboratory.....	1
ANTH 310 Cultural Anthropology (3) .....	3
or ANTH 481 Honors Cultural Anthropology (3)	
ANTH 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

ANTH 303 Introduction to Forensic Anthropology (3)

    or ADMJ 332 Introduction to Forensic Anthropology (3)

ETHNS 320 The African American Experience (3)

ETHNS 330 The Asian American Experience in America (3)

ETHNS 340 Chicanos/Mexican Americans in the U.S. (3)

ETHNS 351 Native American Culture and the Impact of Federal Policy (3)

GEOG 300 Physical Geography: Exploring Earth's Environmental Systems (3)

GEOL 308 Introduction to Geology (3)

GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes (3)

**Division of Behavioral and Social Sciences****Kacey Gardner, Dean****Rodda Hall North, room 226****916-558-2401**

- GEOG 320 World Regional Geography (3)  
 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)  
 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)  
 ECE 314 The Child, the Family and the Community (3)  
 SOC 321 Race, Ethnicity and Inequality in the United States (3)  
     or SOC 482 Race, Ethnicity and Inequality in the United States – Honors (3)  
 SOC 335 Sociology of Aging (3)  
     or GERON 300 Sociology of Aging (3)  
 SOC 341 Sex and Gender in the U.S. (3)  
 WGS 302 Global Women's Issues (3)  
     or SOC 345 Global Women's Issues (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****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 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### 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.

<b>Required Program</b>	<b>Units</b>
ANTH 300 Physical Anthropology (3) ..... or ANTH 480 Honors Physical Anthropology (3)	3
ANTH 310 Cultural Anthropology (3) ..... or ANTH 481 Honors Cultural Anthropology (3)	3
ANTH 323 Introduction to Archaeology .....	3
A minimum of 6 units from the following: ..... ANTH 301 Physical Anthropology Laboratory (1) ANTH 331 The Anthropology of Religion (3) ANTH 334 Native Peoples of North America (3) ANTH 341 Introduction to Linguistics (3)	6
A minimum of 3 units from the following: ..... ANTH 303 Introduction to Forensic Anthropology (3) or ADMJ 332 Introduction to Forensic Anthropology (3) ANTH 332 Native Peoples of California (3)	3
GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes (3) GEOG 320 World Regional Geography (3) SOC 345 Global Women's Issues (3) or WGS 302 Global Women's Issues (3)	
<b>Total Units Required</b>	<b>18</b>

#### 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 Biological Anthropology 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 is an introduction to the science of biological anthropology. The topics to be covered will include: the field of anthropology; the scientific method; genetics and inheritance; natural selection; principles and mechanics of evolution; evidence of evolution; modern human variation; living primates; and the fossil evidence for human evolution. (C-ID ANTH 110)

### ANTH 301 Biological Anthropology Laboratory 1 Unit

*Prerequisite: ANTH 300 or 480 with a grade of "C" or better or concurrent enrollment in ANTH 300 or 480.*

*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 biological anthropology. Topics of significance covered in the course will include human osteology, forensic anthropology, genetics and evolutionary theory, biological classification, primatology, and the fossil evidence for the evolution of humans and their ancestors. (C-ID ANTH 115L)

<b>ANTH 303    Introduction to Forensic Anthropology</b>	<b>3 Units</b>	<b>ANTH 323    Introduction to Archaeology</b>	<b>3 Units</b>
<i>Same As: ADMJ 332</i>		<i>Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.</i>	<i>General Education: AA/AS Area V(b); CSU Area D1; IGETC Area 4A</i>
<i>Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better</i>		<i>Course Transferable to UC/CSU</i>	<i>Hours: 54 hours LEC</i>
<i>Advisory: ANTH 300 with a grade of "C" or better</i>			
<i>General Education: AA/AS Area IV</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LEC</i>			
This course is an overview of forensic anthropology, an applied field of physical anthropology. Forensic anthropology uses the analysis of human skeletal remains to answer medico-legal questions. This course emphasizes current techniques used in analysis of human skeletal remains, medico-legal procedures, and the role of the anthropologist in the investigative process. It examines the basics of bone biology, methods of skeletal analysis, and recognition of bone pathology and trauma. Students may earn credit for either ANTH 303 or ADMJ 332 but not for both.			
<b>ANTH 310    Cultural Anthropology</b>	<b>3 Units</b>	<b>ANTH 324    World Prehistory</b>	<b>3 Units</b>
<i>Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.</i>		<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D1; IGETC Area 4A</i>		<i>General Education: AA/AS Area V(b); AA/AS Area VI</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
This course is an introduction to the variety of customs, traditions, and forms of social organization in societies around the world. The main goal of the course is to understand the importance of culture for both the individual and societies. Anthropological concepts that will be stressed include human culture and language, cultural relativism, holism, ethnocentrism, cross-cultural comparisons, field work, and theory. Topics include the nature of culture, subsistence methods, religion, linguistics, trade and economic systems, arts, kinship, marriage and family systems, technology, and change. (C-ID ANTH 120)			
<b>ANTH 320    Introduction to Archaeology and World Prehistory</b>	<b>3 Units</b>	<b>ANTH 325    Archaeology of Mesoamerica</b>	<b>3 Units</b>
<i>Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.</i>		<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area V(b); CSU Area D1; IGETC Area 4A</i>		<i>General Education: AA/AS Area V(b)</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
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.			
<b>ANTH 322    Archeological Site Identification</b>	<b>1.5 Units</b>	<b>ANTH 331    The Anthro ology of Religion</b>	<b>3 Units</b>
<i>Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.</i>		<i>Prerequisite: ENGWR 51 or ESLW 310 and ESLR 310 with grades of "C" or better.</i>	
<i>Course Transferable to CSU</i>		<i>General Education: AA/AS Area V(b); AA/AS Area I; AA/AS Area VI; CSU Area D1; IGETC Area 3B; IGETC Area 4A</i>	
<i>Hours: 27 hours LEC</i>		<i>Course Transferable to UC/CSU</i>	
This course 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.		<i>Hours: 54 hours LEC</i>	
		This course surveys the forms and functions of supernatural belief systems and their associated rituals in various societies. Ethnographic examples are utilized in order to study beliefs and rituals within their sociocultural contexts. Comparisons are then drawn in order to understand the functions of religious and magical beliefs and rituals in human life.	

**ANTH 332 Native Peoples of California 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 language from an anthropological perspective, including the biological basis of language, the role of language in social interaction and world view, minority languages and dialects, bilingualism, literacy, the social motivation of language change, and the impact of language loss. The student will also be introduced to the analytical techniques of linguistics and the demonstration of their relevance to language in sociocultural issues.

**ANTH 480 Honors Biological Anthropology 3 Units**

*Prerequisite: None.*

*Advisory: ENGWR 300 with a grade 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 biological anthropology. Topics will include: the field of anthropology; the scientific method; genetics and inheritance; natural selection; principles and mechanics of evolution; evidence of evolution; modern human variation; living primates; and the fossil evidence for human evolution. Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions. Credit may be earned for ANTH 480 or ANTH 300 but not for both. (C-ID ANTH 110)

**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. (C-ID ANTH 120)

**ANTH 494 Topics in Anthropology 1-3 Units**

*Prerequisite: Determined by topic*

*Course Transferable to 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 CSU*

*Hours: 162 hours LAB*

This course provides an opportunity to take a course in anthropology that covers topics that are not part of the regular curriculum. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

**ANTH 499 Experimental Offering in Anthropology .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.



<b>Required Program</b>	<b>Units</b>	
ART 300 Drawing and Composition I .....	3	
ART 320 Design: Fundamentals .....	3	
ART 370 Three Dimensional Design .....	3	
ARTH 304 Ancient Art (3) .....	3 – 6	
and ARTH 306 Medieval Art (3)		
or ARTH 332 Asian Art (3)		
ARTH 308 Renaissance Tradition in Art .....	3	
ARTH 310 Modern Art .....	3	
A minimum of 9 units from the following:.....	9	
ART 302 Drawing and Composition II (3)		
or ART 304 Figure Drawing I (3)		
ART 301 Digital Drawing and Composition (3)		
ART 323 Design: Color Theory (3)		
ART 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)		
<b>Total Units Required</b>	<b>27 – 30</b>	

#### **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 introduces students to the fundamentals of drawing, with an emphasis on direct observation. Both historical and contemporary drawing practice will be explored. This course is a basic requirement for all art students and recommended for those students interested in any visual field. A field trip is required. Students are required to purchase supplies needed for the course at a cost between \$75-100. Additionally, students will need to pay a \$5 lab fee for supplies that will be distributed and available in class. (C-ID ARTS 110)

### **ART 301      Digital Drawing and Composition 3 Units**

*Course Family: Drawing Fundamentals*

*Prerequisite: ART 300 with a grade of "C" or better*

*Advisory: DDSN 331 with a grade of "C" or better*

*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 digital technology. The course includes problems in observation and expression and the translating of these experiences into graphic terms by exploration of gesture, line, texture, shape, volume, space, light, and shadow. Students are required to purchase a digital memory device with a capacity of at least 4G, a sketchbook, and a few other supplies as requested by the instructor. These supplies will cost less than \$100.

### **ART 302      Drawing and Composition II      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 \$50-\$75. (C-ID ARTS 205)

### **ART 304      Figure Drawing I      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 offers the study of the human figure by analyzing, drawing, and composing its structural elements in a representational manner with respect to line, tone, shape, and color. Models draped and undraped will be used as subjects. A variety of media will be introduced in the exploration of drawing of the human form. A field trip to a local gallery is required. Students need approximately \$100 of art supplies for projects as required by the individual instructor. (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*

*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 \$100 and \$150.

<b>ART 310</b>	<b>Pen and Ink Drawing</b>	<b>3 Units</b>	<b>ART 322</b>	<b>Design: Image and Content</b>	<b>3 Units</b>
<i>Course Family: Applied Drawing</i>			<i>Prerequisite: ART 300 and 320 with grades of "C" or better</i>		
<i>Prerequisite: None.</i>			<i>Course Transferable to UC/CSU</i>		
<i>Advisory: ART 300 with a grade of "C" or better or equivalent.</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Course Transferable to UC/CSU</i>			This course involves the further study of the formal elements of line, shape, tone, and color and theories of their organization and composition. Emphasis is on exploring as a cohort (through serious critique), the expressive aspect of subject and content and the influence of materials and techniques on form. A variety of materials will be used throughout the semester. Students are required to purchase supplies needed for the course at a cost of between \$100-150. A field trip to a museum or gallery is required.		
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
This course emphasizes the fine art of black and white line and mass drawing using a variety of pen and ink, brush and ink techniques, and materials. Topics may include: compositional and pictorial elements using line, light, space, texture, and value. This course is intended for those interested in fine art, illustration and graphic design and is not restricted to art majors. A field trip is required. Students are required to purchase supplies for this course at a cost of between \$70.00 and 90.00.					
<b>ART 312</b>	<b>Portrait Drawing</b>	<b>3 Units</b>	<b>ART 323</b>	<b>Design: Color Theory</b>	<b>3 Units</b>
<i>Course Family: Figure Studies</i>			<i>Prerequisite: None.</i>		
<i>Prerequisite: ART 300 with a grade of "C" or better</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			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 (interpretive) 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)		
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.					
<b>ART 313</b>	<b>Portrait Drawing: Abstract</b>	<b>3 Units</b>	<b>ART 324</b>	<b>Collage and Assemblage</b>	<b>3 Units</b>
<i>Course Family: Figure Studies</i>			<i>Prerequisite: None.</i>		
<i>Prerequisite: ART 300 with a grade of "C" or better</i>			<i>Advisory: ART 320</i>		
<i>Course Transferable to UC/CSU</i>			<i>General Education: CSU Area C1</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to CSU</i>		
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.			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
			This course investigates methods of creating a dimensional surface while using a variety of found and constructed materials in the form of collage and assemblage. Surfaces vary in the degree of dimensionality, from two-dimensional, low-relief, high-relief, and fully three-dimensional. This course investigates the use of textures and ways of altering surfaces using a variety of techniques, materials, and supports. Students will create an object-archive from which to compose the collages and assemblages for this course. Materials contained in the object-archive may include but are not limited to hand painted papers, patterned papers, textured papers and fabrics, low-relief objects, and found-objects, as well as printed imagery from a variety of sources. Learning to apply rigorous aesthetic standards to collage and assemblage assignments is a fundamental part of this course. Developing a personal visual language and style is also emphasized. The on-going application of sound design principles is a primary goal of each lesson contained in this course. Collage and assemblage use a mixed-media approach to the construction of projects and assignments. One field trip to an art gallery and/or museums is required. There may be an admission fee of approximately \$20.00 to a museum. If a student is unable to attend the field trip, an alternate activity will be provided. The costs for materials will vary depending on the supplies students may already have. Costs for materials may range from \$70 to \$100. A list of supplies or materials will be discussed and provided during the first class meeting.		
<b>ART 320</b>	<b>Design: Fundamentals</b>	<b>3 Units</b>			
<i>Prerequisite: None.</i>					
<i>General Education: AA/AS Area I; CSU Area C1</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
This course is an introduction to understanding the underlying structure of all two-dimensional art forms, from graphic design to painting. Students will acquire greater visual literacy and acumen as they examine the elements of art (line, shape, tone, space, color and texture) and the principles of their organization and composition in works of art/design. Historic and contemporary examples of art/design will also be studied within the constructs of students' projects. This course is a basic requirement for all art students and a great option for students of art history and graphic communications. Students are required to purchase supplies needed for the course at a cost of between \$100-150. A field trip to an art museum or gallery is required. (C-ID ARTS 100)					

<b>ART 330</b>	<b>Mural Painting</b>	<b>3 Units</b>	<b>ART 335</b>	<b>Acrylic Painting: Abstract</b>	<b>3 Units</b>
<i>Course Family: Painting</i>			<i>Course Family: Painting</i>		
<i>Prerequisite: ART 300 and 320 with grades of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Advisory: ART 334 with a grade of "C" or better; ART 300, 320, and 323 with grades of "C" or better.</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to UC/CSU</i>		
This course is a comparative survey of the use of mural painting as an interactive, public art form throughout the world and across time. This course covers the process of creating a mural painting by analyzing a site, researching, planning, and executing murals in public spaces, and working collaboratively with others. Field trips are required to study existing murals and to execute the work on location if applicable. The cost of materials for this course is approximately \$75 per student (for their own personal brushes and art supplies) + an additional \$30 lab fee.			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<b>ART 332</b>	<b>Oil Painting</b>	<b>3 Units</b>	<b>ART 336</b>	<b>Watercolor Painting</b>	<b>3 Units</b>
<i>Course Family: Painting</i>			<i>Course Family: Painting</i>		
<i>Prerequisite: ART 300 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ART 320 with a grade of "C" or better</i>			<i>Advisory: ART 300 and ART 320 with grades of "C" or better.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course is an introduction to the medium and materials used in oil painting. Along with the methods and traditions of painting images, color, pattern, line, texture, light, space, style and techniques, and their application in both historical and contemporary works are thoroughly investigated. Students are required to purchase supplies for this course at a cost of between \$120-150.			This course is an introduction to the medium and materials used in watercolor painting. Included is the analysis of composition, color, pattern, light, and space. Emphasis placed on individual development of imagery, concept and technical skill. A field trip to a gallery or museum is required. Students are required to purchase supplies needed for the course at a cost of between \$90 – 120.		
<b>ART 333</b>	<b>Intermediate Oil Painting</b>	<b>3 Units</b>	<b>ART 337</b>	<b>Intermediate Watercolor Painting</b>	<b>3 Units</b>
<i>Course Family: Painting</i>			<i>Course Family: Painting</i>		
<i>Prerequisite: ART 332 with a grade of "C" or better</i>			<i>Prerequisite: ART 336 with a grade of "C" or better</i>		
<i>Advisory: ART 320 and 323 with a grade of "C" or better.</i>			<i>General Education: CSU Area C1</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course is a continuation of the examination of painting using oil-based paints. It concentrates on the further development of traditional techniques with specific investigations of theoretical concepts and personal subjects and techniques. It also continues the development of written descriptive and analytical skills based on direct observation of existing works in art galleries and museums. A field trip to an art museum, gallery or artist studio is required. Should a student not be able to participate in the class field trip, an alternative assignment will be offered. The cost of materials for this course is between \$100 and \$150.			This is an intermediate watercolor course. Included is an in-depth study of contemporary methods and techniques in watercolor. Emphasis placed on individual development of imagery, concept and technical skill. A field trip to a museum or gallery is required. Students are required to purchase supplies needed for the course at a cost of between \$95 – \$125.		
<b>ART 334</b>	<b>Acrylic Painting</b>	<b>3 Units</b>	<b>ART 361</b>	<b>Printmaking: Survey</b>	<b>3 Units</b>
<i>Course Family: Painting</i>			<i>Course Family: Printmaking</i>		
<i>Prerequisite: ART 300 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ART 320 and 323 with grades of "C" or better.</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			This course is an introduction to fine art printmaking processes. Students explore a variety of print methods such as woodcut, etching, screen printing, and photographic printmaking. This course has an additional lab fee. A field trip to a gallery or museum is required. Material may cost from \$40-\$60. (C-ID ARTS 220)		
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.					
<b>ART 362</b>	<b>Printmaking: Intaglio</b>	<b>3 Units</b>			
<i>Course Family: Printmaking</i>					
<i>Prerequisite: None.</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
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.					

<b>ART 363</b>	<b>Printmaking: Screen Printing</b>	<b>3 Units</b>	<b>ART 372</b>	<b>Sculpture</b>	<b>3 Units</b>
<i>Course Family: Printmaking</i>			<i>Prerequisite: ART 370 with a grade of "C" or better; or portfolio review for skills in basic sculpture.</i>		
<i>Prerequisite: None.</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course is an introduction to the process of fine art screen printing. Techniques and methods include imagery development, hand cut stencils, the use of photographic emulsion, multiple color registration, and alternative printing. This course has an additional lab fee. A field trip to a gallery or museum is required. Materials may cost from \$40-\$65.			This course is meant to follow ART 370, focusing on complex sculptural methods and ideas. Students will learn additional technical skills and be introduced to emerging fabrication technologies. Projects may include woodworking, welding, casting, assemblage, laser cutting, and kinetic sculpting methods. Students will develop a visual and verbal vocabulary and problem-solving skills to enable ideas and enhance projects. This course will highlight historical and cultural issues relating to art and design, encouraging the students' own conceptual development. One field trip to a museum or gallery in the Bay Area will be required. There is a \$25 materials fee associated with this class. Students are required to purchase supplies needed for the course at a cost of between \$100-200. (C-ID ARTS 240)		
<b>ART 364</b>	<b>Printmaking: Relief</b>	<b>3 Units</b>	<b>ART 373</b>	<b>Intermediate Sculpture</b>	<b>3 Units</b>
<i>Course Family: Printmaking</i>			<i>Course Family: Sculpture</i>		
<i>Prerequisite: None.</i>			<i>Prerequisite: ART 370 and 372 with grades of "C" or better</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course is an introduction to relief printing techniques primarily from wood. Emphasis placed on individual development of imagery, concept and technical skill. Processes will include single and multiple block printing including reduction printing. This course has an additional lab fee. A field trip to a gallery or museum is required. Materials may cost from \$50.00-\$75.00.			This course is meant to follow ART 372, Sculpture, continuing the practice of more complex sculptural methods and ideas. Curriculum will include advanced practice in the expressive use of form in space, using a variety of media including plaster, wood, metal, found objects, and other materials. The course stresses creative effort, development of individual expression, new ideas, and knowledge of technical processes. Students will learn to use historical and contemporary approaches in developing content and have the opportunity to develop their own artist's statement and a simple portfolio-based website. One field trip to a museum or gallery in the Bay Area will be required. There is a \$25 materials fee associated with this class. Students are required to purchase supplies needed for the course at a cost of between \$100-200.		
<b>ART 366</b>	<b>Printmaking: Lithography</b>	<b>3 Units</b>	<b>ART 374</b>	<b>Sculpture Lab</b>	<b>1-2 Units</b>
<i>Course Family: Printmaking</i>			<i>Course Family: Sculpture</i>		
<i>Prerequisite: None.</i>			<i>Prerequisite: ART 373 with a grade of "C" or better</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 108 hours LAB</i>		
This course is an introduction to the basic techniques of stone and aluminum plate lithography. Emphasis placed on individual development of imagery, concept and technical skill. Processes will include black and white and multiple color printing from stone, photo-lithographic plates and aluminum plates. This course has an additional lab fee. A field trip to a gallery or museum is required. Materials may cost from \$60-\$75.			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.		
<b>ART 367</b>	<b>Book Arts</b>	<b>3 Units</b>	<b>ART 375</b>	<b>Figure Sculpture</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Course Family: Sculpture</i>		
<i>Course Transferable to CSU</i>			<i>Prerequisite: ART 300 with a grade of "C" or better</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Advisory: ART 304 and ART 370 with grades of "C" or better.</i>		
This course is an introduction to the studio theory and practice of books arts. Students will learn the process of basic bookbinding, while developing understanding of the artist's book as concept. Book forms may include altered books, memory books, folded, stab, sewn bindings, sculptural boxes, and portfolios. Also covered is the history of traditional and contemporary books and manuscripts. A field trip to a gallery or museum is required. This course has an additional lab fee. Students are required to purchase supplies needed for the course at a cost of between \$50-\$75.			<i>Course Transferable to UC/CSU</i>		
<b>ART 370</b>	<b>Three Dimensional Design</b>	<b>3 Units</b>	<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Prerequisite: None.</i>			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.		
<i>Advisory: ENGWR 101 or ESLW 320; with a grade of "C" or better.</i>					
<i>General Education: CSU Area C1</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
This foundation course is an introduction to sculptural composition. Instruction will be provided in construction of line, plane, and form in a variety of media in conjunction with analysis of historical and contemporary examples of sculpture. Visual and verbal vocabulary and problem solving skills are developed in order to express ideas and enhance projects. One field trip to a museum or gallery in the Bay Area will be required. There is a \$20 materials fee associated with this class. Students are required to purchase supplies needed for the course at a cost of between \$100-150. (C-ID ARTS 101)					

<b>ART 380</b>	<b>Techniques in Metal Design</b>	<b>3 Units</b>	<b>ART 390</b>	<b>Ceramics</b>	<b>3 Units</b>	
<i>Course Family: Small Metal Arts</i>			<i>Course Family: Ceramics-Hybrid</i>			
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>			
<i>General Education: CSU Area C1</i>			<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better</i>			
<i>Course Transferable to CSU</i>			<i>General Education: AA/AS Area I; CSU Area C1</i>			
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to UC/CSU</i>			
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.			<i>Hours: 36 hours LEC; 54 hours LAB</i>			
<b>ART 381</b>	<b>Intermediate Techniques in Metal Design</b>	<b>3 Units</b>	<b>ART 391</b>	<b>Intermediate Ceramics</b>	<b>3 Units</b>	
<i>Course Family: Small Metal Arts</i>			<i>Course Family: Ceramics-Hybrid</i>			
<i>Prerequisite: ART 380 with a grade of "C" or better</i>			<i>Prerequisite: ART 390 with a grade of "C" or better</i>			
<i>Course Transferable to CSU</i>			<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better</i>			
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to UC/CSU</i>			
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.			<i>Hours: 36 hours LEC; 54 hours LAB</i>			
<b>ART 384</b>	<b>Metal Design: Emphasis In Casting</b>	<b>3 Units</b>	<b>ART 392</b>	<b>Ceramic Lab</b>	<b>1-2 Units</b>	
<i>Course Family: Small Metal Arts</i>			<i>Prerequisite: None.</i>			
<i>Prerequisite: None.</i>			<i>Corequisite: ART 390 or ART 391 or ART 400</i>			
<i>Advisory: ART 380 or 381; with a grade of "C" or better.</i>			<i>Course Transferable to CSU</i>			
<i>Course Transferable to CSU</i>			<i>Hours: 108 hours LAB</i>			
<i>Hours: 36 hours LEC; 54 hours LAB</i>			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.			
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.						
<b>ART 385</b>	<b>Metal Arts Lab</b>	<b>1-2 Units</b>	<b>ART 394</b>	<b>Wheel Thrown Ceramics, Beginning</b>	<b>3 Units</b>	
<i>Course Family: Small Metal Arts</i>			<i>Prerequisite: None.</i>			
<i>Prerequisite: None.</i>			<i>Advisory: ENGWR 101 or ESLW 320; with a grade of "C" or better</i>			
<i>Corequisite: ART 380, 381, or 384; or a grade of "C" or better in one of the corequisite courses in a previous semester.</i>			<i>Course Transferable to UC/CSU</i>			
<i>Course Transferable to CSU</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>			
<i>Hours: 108 hours LAB</i>			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.			
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.						

<b>ART 395</b>	<b>Wheel Thrown Ceramics, Intermediate</b>	<b>3 Units</b>	<b>ART 430</b>	<b>Art and Children</b>	<b>3 Units</b>
<i>Prerequisite: ART 394 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better</i>			<i>Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better</i>		
<i>Course Transferable to UC/CSU</i>			<i>General Education: AA/AS Area I</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to CSU</i>		
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.			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<b>ART 396</b>	<b>Wheel Thrown Ceramics, Advanced</b>	<b>3 Units</b>	<b>ART 440</b>	<b>Artists' Materials and Techniques</b>	<b>3 Units</b>
<i>Prerequisite: ART 394 or 395 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better</i>			<i>Advisory: ART 300, 320, and 323 with grades of "C" or better</i>		
<i>Course Transferable to UC/CSU</i>			<i>General Education: AA/AS Area I</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to CSU</i>		
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.			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<b>ART 400</b>	<b>Clay Sculpture</b>	<b>3 Units</b>	<b>ART 443</b>	<b>Art Gallery Operations</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 101 or ESLW 320; and Art 300 with grades of "C" or better.</i>			<i>Advisory: ARTH 300 with a grade of "C" or better or equivalent</i>		
<i>General Education: CSU Area C1</i>			<i>Course Transferable to CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			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.		
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.			<b>ART 445</b>	<b>Art Gallery Operations</b>	<b>3 Units</b>
<b>ART 404</b>	<b>Intermediate Clay Sculpture</b>	<b>3 Units</b>	<i>Prerequisite: ART 443 with a grade of "C" or better</i>		
<i>Prerequisite: ART 400 with a grade of "C" or better</i>			<i>Course Transferable to CSU</i>		
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Course Transferable to UC/CSU</i>			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.		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<b>ART 446</b>	<b>Portfolio Preparation</b>	<b>3 Units</b>
This course is an intermediate class in ceramic sculpture techniques and methods. The course will include glazing, surface treatment, and various firing processes used in clay sculpture. Focus will be placed on in-depth examination of contemporary ceramic sculpture and three-dimensional design. Projects for ART 400 are different from ART 404; they change in rotation from Fall to Spring semester. Students are required to purchase supplies needed for the course at a cost of between \$100-150. One field trip to an art museum or gallery is required.			<i>Prerequisite: None.</i>		
			<i>Course Transferable to CSU</i>		
			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
			This course is designed for students who are interested in the creation or revision of a portfolio in order to submit work for university application, seek gallery exhibitions, complete scholarship applications, or apply for art positions. Emphasis is on photographing, matting, framing art, as well as preparing artists' statements, resumes, brochures, business cards, and creating an online presence. A field trip to a gallery or museum is required. Approximately \$100 of art materials as required by the instructor.		

**ART 494 Topics in Art .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 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 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 toward the minimum 60 units required for admissions.

## Art History ARTH

### Degree:

- A.A. – Art History
- AA-T – Art History for Transfer

### Art History

#### 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 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.
- analyze and assess the histories of cultures and civilizations and how art and architecture is a reflection of those histories.

#### Required Program

#### Units

ARTH 301 Introduction to Art History .....	3 <sup>1</sup>
ARTH 304 Ancient Art (3) .....	3
or ARTH 484 Ancient Art-Honors (3)	
ARTH 306 Medieval Art (3) .....	3
or ARTH 486 Medieval Art-Honors (3)	
ARTH 308 Renaissance Tradition in Art (3) .....	3
or ARTH 487 Renaissance Art-Honors (3)	
ARTH 310 Modern Art (3) .....	3
or ARTH 488 Modern Art—Honors (3)	
ARTH 324 Art of the Americas (3) .....	3
or ARTH 325 Native American Art History (3)	
or ARTH 328 Survey of African Art (3)	
or ARTH 332 Asian Art (3)	
ART 300 Drawing and Composition I .....	3
ART 320 Design: Fundamentals (3).....	3
or ART 332 Oil Painting (3)	
or ART 370 Three Dimensional Design (3)	
<b>Total Units Required</b>	<b>24</b>

<sup>1</sup>This course should be taken prior to or concurrent with any other Art History course.

#### Suggested Electives

ANTH 320, 334; ARTH 312, COMM 316, ENGLT 400, ENGWR 302, HIST 307, 308, 360; HUM 300, 310, 332, 352; PHIL 330, 352; WGS 300

#### 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.

### Division of Humanities and Fine Arts

Chris Iwata, Dean

Performing Arts Center, room 137

916-558-2551



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 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

##### 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.
- analyze and assess the histories of cultures and civilizations and how art and architecture is a reflection of those histories.

#### 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)	
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 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 332 Asian Art (3)	
ARTH 334 International Contemporary Art (3)	
<b>Total Units Required</b>	<b>24</b>

**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 301, 302, or 303 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 of the various manifestations of art in cultures throughout the world. This course is recommended as a basis for the understanding of art, including techniques and media; students will develop personal opinions concerning art and architecture and will learn to express those opinions through extensive writing about art. A field trip is required.(C-ID ARTH 100)

**ARTH 301     Introduction to Art History                          3 Units**

*Prerequisite: ENGWR 301, 302, or 303 with a grade of "C" or better*

*Advisory: LIBR 318 or 325 with a grade of "C" or better*

*General Education: AA/AS Area I; CSU Area C1; IGETC Area 3B*

*Course Transferable to UC/CSU*

*Hours: 54 hours LEC*

This course introduces the student to a wide variety of art, including painting, sculpture, architecture, prints, textiles, and crafts; both Western and Non-Western art will be covered. The approach to the subjects is via primary sources in art and architectural history, as well as reading of important authors and scholarship in art history. Students will write research-oriented papers, based on primary research, secondary sources, and their own theories concerning art.

**ARTH 304     Ancient Art                                  3 Units**

*Prerequisite: None.*

*Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 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 Neolithic, 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, or ENGWR 303 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, or ENGWR 303 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.

<b>ARTH 308</b>	<b>Renaissance Tradition in Art</b>	<b>3 Units</b>	<b>ARTH 314</b>	<b>History of Western Architecture: Renaissance to Modern</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.			Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.		
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A			General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A		
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours: 54 hours LEC			Hours: 54 hours LEC		
This course is an introduction to art and architecture from circa 1300 to 1750 in Europe. Material covered includes painting, sculpture, architecture, and other media of the Italian Renaissance and Mannerist periods, 15th-Century Flemish art, the art of the Northern Renaissance, and Baroque and Rococo painting, sculpture, architecture, prints, and other media. (C-ID ARTH 120)			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.		
<b>ARTH 310</b>	<b>Modern Art</b>	<b>3 Units</b>	<b>ARTH 318</b>	<b>History of American Art</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.			Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.		
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A			General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A		
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours: 54 hours LEC			Hours: 54 hours LEC		
This course covers 18th, 19th, 20th, and early 21st century art forms including painting, sculpture, and architecture in Europe and America. Styles discussed will include Neoclassicism, Romanticism, Realism, Impressionism and Post-Impressionism, and the major movements through Contemporary art. Post-Modern art will also be discussed. A field trip to an art museum or art gallery is required. (C-ID ARTH 120; C-ID ARTH 150)			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.		
<b>ARTH 312</b>	<b>Women in Art</b>	<b>3 Units</b>	<b>ARTH 320</b>	<b>Multicultural Art in America</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.			Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better		
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A			General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A		
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours: 54 hours LEC			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.			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.		
<b>ARTH 313</b>	<b>History of Western Architecture: Prehistoric to Renaissance</b>	<b>3 Units</b>	<b>ARTH 324</b>	<b>Art of the Americas</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.			Advisory: LIBR 318 or 325; ENGWR 302 or ENGWR 303 with a grade of "C" or better.		
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A			General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A		
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours: 54 hours LEC			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.			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. (C-ID ARTH 145)		

<b>ARTH 325 Native American Art History</b>	<b>3 Units</b>	<b>ARTH 410 Early 20th Century Art</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
Advisory: ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.		Advisory: ARTH 310; ENGWR 301, or ENGWR 302, or ENGWR 303 with a grade of "C" or better.	
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A		General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LEC		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.		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.	
<b>ARTH 328 Survey of African Art</b>	<b>3 Units</b>	<b>ARTH 420 History of Photography</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better		Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better	
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A		General Education: AA/AS Area I	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LEC		Hours: 54 hours LEC	
This course is an introduction to African art in terms of its cultural and philosophical background; its materials and techniques; and its impact on the art of other regions of the world. One field trip is required.		This course introduces students to the history of photography, focusing on work of the 20th century. Early photographers in the 19th century are also studied, as well as 21st century trends. The cultural impact of photography on society and the influence of photography on other visual media are also discussed.	
<b>ARTH 332 Asian Art</b>	<b>3 Units</b>	<b>ARTH 484 Ancient Art-Honors</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better		Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.	
General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A		General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A; IGETC Area 3B	
Course Transferable to UC/CSU		Enrollment Limitation: Eligibility for admission to the Honors Program.	
Hours: 54 hours LEC		Course Transferable to UC/CSU	
This course is an introductory survey of the arts of East, South, and Southeast Asia, including India, China, Korea, Japan, Indonesia, Thailand, and Cambodia. It features discussion of architecture, sculpture, painting, and other significant art forms from Neolithic to modern times. The contributions of Asian art to Western aesthetics are discussed; comparisons are also made between individual Eastern cultures and other non-Western cultures. (C-ID ARTH 130)		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. Students will write a minimum of 6,000 words, including at least two art historical analyses and one research paper. Credit may be earned for ARTH 304 or ARTH 484 but not for both.			
<b>ARTH 334 International Contemporary Art</b>	<b>3 Units</b>	<b>ARTH 486 Medieval Art-Honors</b>	<b>3 Units</b>
Prerequisite: ARTH 300 or 310 with a grade of "C" or better		Prerequisite: None.	
Advisory: ENGWR 301, 302, or 303 with a grade of "C" or better		Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.	
General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A		General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A	
Course Transferable to UC/CSU		Enrollment Limitation: Eligibility for the Honors Program	
Hours: 54 hours LEC		Course Transferable to UC/CSU	
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.		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. Students give at least one oral presentation and write a minimum of 6,000 words, including at least two art historical analyses and one research paper. Credit may be earned for ARTH 306 or ARTH 486 but not for both.			

<b>ARTH 487    Renaissance Art-Honors</b>	<b>3 Units</b>	<b>ARTH 499    Experimental Offering in Art History</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None</i>	
<i>Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.</i>		<i>Course Transferable to UC/CSU</i>	
<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>		<i>Hours: 72 hours LEC</i>	
<i>Enrollment Limitation: Eligibility for admission to the Honors Program</i>		<i>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.</i>	
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LEC</i>			
<i>This course is an introduction to the development of realism and illusionism in Western art from its roots in the Greco-Roman world to its flowering in the 15th and 16th Centuries in Europe. Mannerist, Baroque, and Rococo styles are also covered. Comparisons are also made with other traditions. Students give at least one oral presentation and write a minimum of 6,000 words, including at least two art historical analyses and one research paper. Credit may be earned for ARTH 308 or ARTH 487 but not for both.</i>			
<b>ARTH 488    Modern Art—Honors</b>	<b>3 Units</b>		
<i>Prerequisite: None.</i>			
<i>Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.</i>			
<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>			
<i>Enrollment Limitation: Eligibility for admission to the Honors Program.</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LEC</i>			
<i>This course covers 19th and 20th century art forms including painting, sculpture, and architecture in Europe and America. Styles discussed will include Impressionism, Expressionism, Cubism, and Abstract Expressionism. Emphasis is on 20th century art to 1980. A field trip to an art museum or art gallery is required. Students give at least one oral presentation and write a minimum of 6,000 words, including at least two art historical analyses and one research paper. Credit may be earned for ARTH 310 or ARTH 488 but not for both.</i>			
<b>ARTH 494    Topics in Art History</b>	<b>.5-4 Units</b>		
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 72 hours LEC</i>			
<i>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.</i>			
<b>ARTH 495    Independent Studies in Art History</b>	<b>1-3 Units</b>		
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 162 hours LAB</i>			
<i>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.</i>			

**Astronomy ASTR****Division of Science and Allied Health**

**James Collins, Dean**  
**South Gym, room 220**  
**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 covering the nature and evolution of the Solar System including exoplanets of stars beyond the Sun. Topics include the origins and characteristics of different types of planets, satellites, ring systems, asteroids, comets, and other debris. The Sun's role within the Solar System is discussed. Emphasis will be placed on how astronomers obtain and refine their knowledge of planets, and students will interpret the latest planetary discoveries in that context. Students enrolled in this course will have the opportunity to attend astronomy activities, such as the Open Observatory and dark sky events.

**ASTR 320 Stars, Galaxies, and Cosmology 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 students will interpret the latest results of related astronomy research. Students enrolled in this course will have the opportunity to attend astronomy related activities, such as the Open Observatory or dark sky events.

**ASTR 330 Introduction to Astrobiology 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 Earth. Students will discover the connections between stars, planets, and life on Earth – or elsewhere, the nature of habitability, and quantifying the likelihood of life existing elsewhere in the Galaxy. Students will also study past, present, and future attempts to discover possible alien civilizations in our Galaxy.

**ASTR 400 Astronomy Laboratory 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, and spectrometers. The analysis and interpretation of astronomical data is emphasized, usually with student-collected data. Students enrolled in this class will have the opportunity to attend astronomy related activities, such as the Open Observatory and dark sky events.

**ASTR 435 Astronomy Frontiers 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 life, the lives of stars including black holes, groupings of stars such as open clusters and co-moving groups, exotic matter, dark energy, the nature of galaxies, cosmology and its connection to the String Model, the search for extraterrestrial life and possible extinction threats to humanity such as meteoroid impacts, climate change, and futures less dark. Emphasis will be placed on how astronomers use science to understand the Universe as well as the provisional nature of science.

**ASTR 494 Topics in Astronomy .5-4 Units***Prerequisite: None.**Course Transferable to CSU**Hours: 72 hours LEC*

This course is designed for any student wanting to learn about recent developments in astronomy. Selected topics are subject to change and must be topics not already a part of current course offerings. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

**ASTR 495 Independent Studies in Astronomy 1-3 Units***Prerequisite: None.**Course Transferable to CSU**Hours: 162 hours LAB*

This is an Independent Studies course that involves an individual student or small group of students in study, research, or activities beyond the scope of regular offered courses, pursuant to an agreement between the college, faculty member, and student(s). UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for UC admission.

**ASTR 499 Experimental Offering in Astronomy .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

## Field Ecology

# BIOL

**Degree:**

A.S. – Biology  
AS-T – Biology for Transfer

**Certificate of Achievement:**  
Field Ecology

### Biology

#### Associate in Science Degree

**Program Information**

Biology is the scientific study of life, from molecules to cells, and organisms to ecosystems, including their evolution and interactions with the environment. The Biology A.S. degree is designed to give students a flexible academic foundation to meet transfer requirements for upper division coursework in the biological sciences, participate in the workplace, or meet personal goals. The Biology major is also designed for students planning to pursue careers in medicine, dentistry, pharmacy, or veterinary medicine. For all students pursuing transfer to any four-year program or professional school, it is critical that students meet with a counselor because major and general education requirements vary for each college/university. For students who plan to complete a baccalaureate degree in biology or similar major at a California State University (CSU), The Associate in Science in Biology for Transfer (AS-T) degree is the recommended transfer pathway.

**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.

**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)	
or CHEM 309 Integrated General, Organic, and Biological Chemistry (5)	
A minimum of 10 units from the following:.....	10
BIOL 402 Cell and Molecular Biology (5)	
BIOL 412 Plant Biology (5)	
BIOL 422 Animal Biology (5)	
BIOL 430 Anatomy and Physiology (5)	
BIOL 431 Anatomy and Physiology (5)	
BIOL 440 General Microbiology (4)	
A minimum of 8 units from the following: .....	8
BIOL 100 Introduction to Concepts of Human Anatomy and Physiology (3)	
BIOL 305 Natural History (4)	
BIOL 308 Contemporary Biology (3)	

**Division of Science and Allied Health**

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- BIOL 309 Contemporary Biology Laboratory (1)  
BIOL 314 Dinosaurs and the Science of Life (3)  
BIOL 315 Dinosaurs and the Science of Life Laboratory (1)  
BIOL 320 Field Botany (3)  
BIOL 326 Ethnobotany (3)  
BIOL 327 Ethnobotany Laboratory (1)  
BIOL 330 Introduction to Entomology (3)  
BIOL 342 The New Plagues: New and Ancient Infectious Diseases Threatening World Health (3)  
BIOL 350 Environmental Biology (3)  
BIOL 360 Environmental Regulations (3)  
BIOL 362 Field Methods in Ecology (4)  
BIOL 364 Restoration Ecology (2)  
BIOL 370 Marine Biology (4)  
BIOL 402 Cell and Molecular Biology (5)  
BIOL 412 Plant Biology (5)  
BIOL 422 Animal Biology (5)  
BIOL 430 Anatomy and Physiology (5)  
BIOL 431 Anatomy and Physiology (5)  
BIOL 434 Pathology: The Study of Disease (3)  
BIOL 440 General Microbiology (4)

**Total Units Required**

23

**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.



Associate Degree  
for Transfer  
*A Degree with a Guarantee.*

### Biology

#### Associate in Science for Transfer

**Program Information**

The Associate in Science in Biology for Transfer degree is designed to prepare students for transfer to a baccalaureate degree program at the California State University in biology or the biological sciences, including molecular biology, cell biology, marine biology, botany, zoology, ecology, environmental science, evolution, genetics, microbiology, and agricultural science. Upon completion of the Associate in Science in Biology for Transfer, students will seamlessly transfer with junior standing to the California State University system.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

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

ADTs also require that students earn a "C" or better in all courses required for the major or area of emphasis.

The Associate in Science in Biology for Transfer is intended specifically for students planning to transfer to a California State University. It is critical for all students to meet with an SCC counselor and to consult with the transfer institution to determine if any university program is impacted or has additional pre-transfer requirements. Completion of the Associate in Science in Biology for Transfer may not prepare students to transfer to the University of California or other colleges or universities offering a degree in biology or in the biological sciences, as these baccalaureate degree programs may have different requirements. If a student intends to transfer to the University of California, additional courses in chemistry, physics, and math may be required.

### 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, entomologists, and pest management specialists in agriculture; as educators in K-12 schools, community colleges, and universities; and in many other careers.

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

- apply the scientific method to pose questions and test hypotheses about the natural world.
- evaluate the design, analysis, and interpretation of scientific experiments.
- successfully perform biological laboratory techniques, including microscopy, and understand laboratory safety protocols.
- define and correctly use a core set of scientific terminology relevant to biological organisms and principles.
- write clear, well organized essays or research papers that demonstrate the ability to integrate the chemical, cellular, organismal, population, and ecosystem levels of biological organization into explanations of biological processes.
- demonstrate an understanding of biological evolution by explaining the diversity and unity of life in terms of evolutionary mechanisms including natural selection.
- apply biological principles to successfully complete upper division coursework in general biology, cell biology, molecular biology, genetics, botany, zoology, marine biology, anatomy, physiology, ecology, and evolution.
- apply the process of science and scientific skills in order to successfully participate in supervised research in a biological science.

<b>Required Program</b>	<b>Units</b>
BIOL 402 Cell and Molecular Biology .....	5
BIOL 412 Plant Biology .....	5
BIOL 422 Animal Biology .....	5
CHEM 400 General Chemistry I .....	5
CHEM 401 General Chemistry II .....	5
MATH 350 Calculus for the Life and Social Sciences I .....	3
PHYS 350 General Physics .....	4
PHYS 360 General Physics .....	4
PSYC 300 General Principles (3) .....	3
or PSYC 480 Honors General Principles (3)	
<b>Total Units Required</b>	<b>39</b>

#### **Associate in Science for Transfer**

The Associate in Science in Biology for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

## Field Ecology

### Certificate of Achievement

#### Program Information

The Field Ecology Certificate program provides the training and education necessary to succeed in government agencies, private businesses, and non-profits that provide field ecology services. The certificate provides the opportunity to learn ecological field methods including identification of flora and fauna, quantitative assessment methods, wetland delineations, regulatory processes, restoration ecology, and geographic information systems. In addition to field methods, students will receive education in general ecological principles.

Two pathways to obtain the certificate exist for this program (students will choose only one of these pathways). Both pathways require the same core courses and only vary in their elective components. Pathway 1 is oriented toward students pursuing their Associate in Science degree in Biology and allows use of either BIOL 412 (Plant Biology) or BIOL 422 (Animal Biology) to partially meet unit requirements for elective courses in the program. Pathway 2 is oriented toward students not pursuing their Biology degree; and unit requirements for elective courses are entirely obtained from the list of elective courses in the program.

#### 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 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:**

- describe the basic principles of ecology, particularly in the context of field oriented biology.
- identify flora and fauna of the region.
- assess ecosystem evaluation methods and demonstrate competence in ecosystem analysis methodologies.
- examine the regulatory processes and agencies involved with environmental regulations at the local, state, and federal levels.
- apply the evolutionary process to its role in ecosystems.
- collect biological and ecological data during field work opportunities.
- record data in a field notebook and on data sheets.
- operate equipment used for the field work component of the program (e.g. nets and other collecting equipment for fishery surveys, nets and sorting trays associated with benthic macro invertebrate surveys for rapid bioassessment, and soil extraction tools for assessment of wetland hydric soils.)
- analyze data collected during field experiments and investigations (e.g. fishery data collected from captured species, percentages of cover of native and non-native plant species from an experimental vegetation plot, determination of water quality characteristics based on sensitivities of benthic macro invertebrate taxonomic units).
- formulate strategies and methodologies for data collection in various field situations.

#### Required Program

<b>Required Program</b>	<b>Units</b>
BIOL 305 Natural History .....	4
BIOL 320 Field Botany .....	3
BIOL 360 Environmental Regulations .....	3
BIOL 362 Field Methods in Ecology .....	4

#### Subtotal Units:

**14**

**Pathway 1 (For students also pursuing an Associate in Science Degree in Biology)**

BIOL 412 Plant Biology (5).....	5
or BIOL 422 Animal Biology (5)	
A minimum of 5 units from the following:.....	5
BIOL 321 Advanced Field Botany (3)	
BIOL 326 Ethnobotany (3)	
BIOL 327 Ethnobotany Laboratory (1)	
BIOL 330 Introduction to Entomology (3)	
BIOL 332 Introduction to Ornithology (3)	
BIOL 350 Environmental Biology (3)	
BIOL 352 Conservation Biology (3)	
BIOL 364 Restoration Ecology (2)	
BIOL 370 Marine Biology (4)	
BIOLFS 310 Natural History Field Study: Mojave Desert (2)	
BIOLFS 311 Natural History Field Study: Advanced Study of the Mojave Desert (2)	
BIOLFS 350 Natural History Field Study: Sierra Nevada Plants (2)	
CHEM 320 Environmental Chemistry (4)	
GEOG 331 Exploring Maps and Geographic Technologies (3)	
GEOG 334 Introduction to GIS Software Applications (3)	
GEOL 345 Geology of California (3)	
Pathway 1 (For students also pursuing an Associate in Science Degree in Biology) Units: .....	10
<b>Total Units:</b>	<b>24</b>

**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)	
BIOLFS 310 Natural History Field Study: Mojave Desert (2)	
BIOLFS 311 Natural History Field Study: Advanced Study of the Mojave Desert (2)	
BIOLFS 350 Natural History Field Study: Sierra Nevada Plants (2)	
CHEM 320 Environmental Chemistry (4)	
GEOG 331 Exploring Maps and Geographic Technologies (3)	
GEOG 334 Introduction to GIS Software Applications (3)	
GEOL 345 Geology of California (3)	
Pathway 2 (For students pursuing only the Field Ecology Certificate) Units: .....	10
<b>Total Units Required</b>	<b>24</b>

**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, ENGRD 110 or ESLR 320, and ENGWR 51 or ESLW 310, and BIOL 290 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 11 body systems and is required for students entering the licensed vocational nursing and occupational therapy assistant programs. The course emphasizes the direct connection between human activities (i.e. diet and lifestyle choices) and health of the body. It is designed for students having little or no background in the biological sciences. The course is also open to those intending to pursue studies in the biological sciences who need to strengthen or develop a vocabulary in human anatomy and physiology.

**BIOL 290      Science Skills and Applications      .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.

**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.

<b>BIOL 308</b>	<b>Contemporary Biology</b>	<b>3 Units</b>	<b>BIOL 320</b>	<b>Field Botany</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 101; with a grade of "C" or better</i>			<i>Advisory: ENGWR 101 with a grade of "C" or better.</i>		
<i>General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B</i>			<i>General Education: AA/AS Area IV</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course is a survey of biological science intended to equip the student to think and act intelligently with respect to contemporary issues in biology. Biological topics are introduced in a framework of natural selection. The course is for those not intending to major in biological sciences, particularly liberal studies majors. Genetics is a significant focus of the course, as are origin of cellular life, cellular physiology, and diversity of organisms. An optional laboratory illustrating these principles introduced is offered as a separate, one-unit course (BIOL 309).			This course is designed for both science and non-science 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.		
<b>BIOL 309</b>	<b>Contemporary Biology Laboratory 1 Unit</b>		<b>BIOL 321</b>	<b>Advanced Field Botany</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: BIOL 320 with a grade of "C" or better</i>		
<i>Corequisite: BIOL 308</i>			<i>Advisory: ENGWR 101 with a grade of "C" or better</i>		
<i>General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5B;</i>			<i>General Education: AA/AS Area IV</i>		
<i>IGETC Area 5C</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Hours: 54 hours LAB</i>			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.		
<b>BIOL 314</b>	<b>Dinosaurs and the Science of Life 3 Units</b>		<b>BIOL 326</b>	<b>Ethnobotany</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 101 with a grade of "C" or better</i>			<i>Advisory: ENGWR 101 (College Writing) with a grade of "C" or better.</i>		
<i>General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B</i>			<i>General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>		
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 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.		
<b>BIOL 315</b>	<b>Dinosaurs and the Science of Life Laboratory 1 Unit</b>				
<i>Prerequisite: None.</i>					
<i>Corequisite: BIOL 314 or prior completion of BIOL 314 with a grade of "C" or better.</i>					
<i>Advisory: ENGWR 101 with a grade of "C" or better</i>					
<i>General Education: CSU Area B3; IGETC Area 5C</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 54 hours LAB</i>					
This course is an optional laboratory component to accompany BIOL 314. The laboratory sessions will allow students to engage in hands-on investigations to broaden and deepen their understanding of concepts discussed and developed in BIOL 314. Students may take this course either concurrently with or any time after completion of BIOL 314.					

<b>Biol 327</b>	<b>Ethnobotany Laboratory</b>	<b>1 Unit</b>	<b>Biol 342</b>	<b>The New Plagues: New and Ancient Infectious Diseases Threatening World Health</b>	<b>3 Units</b>
Prerequisite: None.			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.		
Advisory: ENGWR 101 with a grade of “C” or better.			General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5C		
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5C			Course Transferable to UC/CSU		
Course Transferable to UC/CSU			Hours: 54 hours LAB		
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.		
<b>Biol 330</b>	<b>Introduction to Entomology</b>	<b>3 Units</b>	<b>Biol 349</b>	<b>Applied Microbiology: Scientific literacy through Practical Uses of Microbiology</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
General Education: AA/AS Area IV			Advisory: BIOL 308, BIOL 342, BIOL 402, BIOL 440, or CHEM 400 with a grade of “C” or better		
Course Transferable to UC/CSU			General Education: AA/AS Area IV		
Hours: 54 hours LEC			Course Transferable to CSU		
This course provides an introduction to the science of entomology. Entomology examines the great diversity of insects, both in numbers as well as their life histories. The course introduces students to the variety found in insects: their structure and functions, their habits, their evolutionary biology, and their significance to humans. In addition, students will learn to identify orders and major families of insects. Due to their diversity and presence in all kinds of environments, insects provide a good framework for making scientific observations and for applying the scientific method to their studies. Attendance of one field trip may be required to complete the semester project.			Hours: 54 hours LEC		
<b>Biol 332</b>	<b>Introduction to Ornithology</b>	<b>4 Units</b>	In this course, the student will use applied microbiology as a means for learning scientific literacy. The student will learn microbiology fundamentals, including relevant genetics and biochemistry, as it is applied to a range of topics such as bioremediation, medicine and fuel production, and genetically modified organisms (GMOs). Most importantly, the student will learn how to connect ideas, evaluate scientific evidence, and think critically about controversial issues relevant to microbiology such as bioremediation, diminishing global food and fuel resources, and gene editing. This fast-paced course is intended for ambitious non-science majors who are interested in gaining scientific literacy by exploring the non-infectious-disease applications of microbiology, understanding the connection between science and the media, and how microbiology affects our everyday lives.		
Prerequisite: None.					
Advisory: ENGWR 101 with a grade of “C” or better			<b>Biol 350</b>	<b>Environmental Biology</b>	<b>3 Units</b>
General Education: AA/AS Area IV			Prerequisite: None.		
Course Transferable to UC/CSU			Advisory: ENGWR 101 with a grade of “C” or better		
Hours: 54 hours LEC; 54 hours LAB			General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B		
This course investigates the evolution, ecology, and conservation of birds as a means of introducing scientific principles common to all life forms. Using birds as models, lecture and lab topics include scientific methodology; evolutionary principles including evolutionary mechanisms and phylogenetics; the structure and function of physiological and sensory systems; behavioral ecology such as foraging, competition, migration and navigation, breeding, social behavior, communication, and intelligence; and current research and conservation topics. Laboratory work teaches the scientific method; evolutionary mechanisms; and taxonomic classification and identification of birds, particularly those found in California and the western United States. Several field trips to study wild birds in regional habitats are required (total cost per student for field trips is approximately \$25-\$40). This course may be used as an elective by students in the Field Ecology Certificate Program or majoring in Biology, and also is suitable for non-majors.			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.		

<b>BIOL 351</b>	<b>Global Climate Change</b>	<b>3 Units</b>	<b>BIOL 362</b>	<b>Field Methods in Ecology</b>	<b>4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: BIOL 305 AND BIOL 320 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.</i>		
<i>Advisory: ENGWR 101 with a grade of "C" or better</i>			<i>Advisory: Students must be in good health and be able to hike moderate distances through rough terrain.</i>		
<i>General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B</i>			<i>Course Transferable to CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 54 hours LEC</i>		
<i>Hours: 54 hours LEC</i>					
This interdisciplinary course explores the natural and human factors causing the Earth's climate to change. Whether alarmed, skeptical, or just curious about climate change, students will acquire the scientific tools to analyze the evidence that climate change is a looming threat. Through lectures, readings, discussions and projects, students will examine the Earth's present and past climates as well as the influence of climate on the geographical distribution and diversity of plants and animals, extinction, and on human societies.					
<b>BIOL 352</b>	<b>Conservation Biology</b>	<b>3 Units</b>	<b>BIOL 364</b>	<b>Restoration Ecology</b>	<b>2 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 101 with a grade of "C" or better</i>			<i>Advisory: ENGWR 101 with a grade of "C" or better.</i>		
<i>General Education: AA/AS Area IV; CSU Area B2; IGETC Area 5B</i>			<i>Course Transferable to CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 27 hours LEC; 27 hours LAB</i>		
<i>Hours: 54 hours LEC</i>					
This introductory course covers biological and ecological principles involved in understanding and analyzing environmental problems and exploring scientifically sound conservation techniques. Major topics include the nature of science, basic principles of ecology, genetics and evolution, patterns of biodiversity and extinction, and the interdependence between humans and our environment. This course places emphasis on scientific processes and methodology and the application of science to conservation issues. Two field trips and/or a semester project may be required. Field trips may incur a program cost (such as admission to a museum, aquarium, or zoo) which will be announced at the beginning of the semester.					
<b>BIOL 360</b>	<b>Environmental Regulations</b>	<b>3 Units</b>	<b>BIOL 370</b>	<b>Marine Biology</b>	<b>4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: BIOL 305 and ENGWR 101 with grades of "C" or better.</i>			<i>Advisory: Students must be in good health and be able to hike moderate distances through tough terrain.</i>		
<i>Course Transferable to CSU</i>			<i>General Education: AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C</i>		
<i>Hours: 54 hours LEC</i>			<i>Course Transferable to UC/CSU</i>		
			<i>Hours: 54 hours LEC; 54 hours LAB</i>		
This course examines the environmental regulatory process in California with applicable Federal and California environmental laws being studied and discussed. Relevant Federal regulations include: The National Environmental Policy Act, Federal Endangered Species Act, Marine Mammal Protection Act, Clean Water Act, Clean Air Act, Fish and Wildlife Coordination Act, Coastal Zone Management Act, Resource Conservation and Recovery 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.					

<b>BIOL 402</b>	<b>Cell and Molecular Biology</b>	<b>5 Units</b>	<b>BIOL 430</b>	<b>Anatomy and Physiology</b>	<b>5 Units</b>
Prerequisite:	CHEM 400 with a grade of "C" or better		Prerequisite:	CHEM 305, 309, or 400 with a grade of "C" or better	
Advisory:	ENGWR 101 with a grade of "C" or better		Advisory:	AH 110, BIOL 100, BIOL 290, or CHEM 306 with a grade of "C" or better	
General Education:	AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C		General Education:	AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B	
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours:	54 hours LEC; 108 hours LAB		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)			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)		
<b>BIOL 412</b>	<b>Plant Biology</b>	<b>5 Units</b>	<b>BIOL 431</b>	<b>Anatomy and Physiology</b>	<b>5 Units</b>
Prerequisite:	BIOL 402 or equivalent course with a grade of "C" or better.		Prerequisite:	CHEM 305 or CHEM 309 or CHEM 400 and BIOL 430 or the equivalent with grades of "C" or better.	
General Education:	AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C		Advisory:	AH 110 with a grade of "C" or better	
Course Transferable to UC/CSU			General Education:	AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B	
Hours:	54 hours LEC; 108 hours LAB		Course Transferable to UC/CSU		
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. (C-ID BIOL 155)			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)		
<b>BIOL 422</b>	<b>Animal Biology</b>	<b>5 Units</b>	<b>BIOL 434</b>	<b>Pathology: The Study of Disease</b>	<b>3 Units</b>
Prerequisite:	BIOL 402 or an equivalent college-level Cell and Molecular Biology course with a grade of "C" or better.		Prerequisite:	BIOL 431 with a grade of "C" or better	
General Education:	AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B; IGETC Area 5C		General Education:	AA/AS Area IV; CSU Area B2; IGETC Area 5B	
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours:	54 hours LEC; 108 hours LAB		Hours:	54 hours LEC	
This is part of a three-semester sequence in general biology designed for biology majors. BIOL 412 and BIOL 422 may be taken in any order after completion of BIOL 402 with a grade of C or better. BIOL 422 builds upon and applies concepts developed in BIOL 402 to the study of animals and evolution. Topics covered include principles of evolution such as mechanisms of microevolutionary and macroevolutionary change, population genetics, speciation, extinction, and classification and phylogenetics; a survey of animal phyla and unicellular non-photosynthetic eukaryotic taxa; and animal embryology, development, life cycles, comparative anatomy and physiology, and behavior. Emphasis will be placed on the evolutionary relationships among animals, their adaptations to different environments and modes of life, and the evolutionary origins of novel characteristics throughout Animalia. (C-ID BIOL 150)			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.		
<b>BIOL 440</b>	<b>General Microbiology</b>	<b>4 Units</b>	<b>BIOL 440</b>	<b>General Microbiology</b>	<b>4 Units</b>
Prerequisite:	CHEM 305 or CHEM 309 or CHEM 400 or equivalent with a grade of "C" or better.		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		General Education:	AA/AS Area IV; CSU Area B2; CSU Area B3; IGETC Area 5B	
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours:	54 hours LEC; 72 hours LAB		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 494 Topics in Biology .5-4 Units***Prerequisite: None.**Course Transferable to CSU**Hours: 36 hours LEC; 108 hours LAB*

This course is designed to enable both science and non-science students to learn about recent developments in biology. Selected topics will not include those that are part of current course offerings. This course may be taken four times for credit providing there is no duplication of topics. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

**BIOL 495 Independent Studies in Biology 1-3 Units***Prerequisite: None.*

*Enrollment Limitation: Student must obtain approval from an instructor to conduct an independent study with the appropriate instructor or instructors. Specific projects may not be available to a student.*

*Course Transferable to 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, BIOL 320, BIOL 360, and BIOL 362; 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](mailto: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.

**Biology – Field Studies (BIOLFS)****BIOLFS 310 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 that can be obtained from the instructor.*

*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 lectures occur at Sacramento City College with a mandatory field trip of eight days to the Mojave Desert in Southern California. Accommodations are in a combination of outdoor tent camping for two nights and five nights at the Desert Studies Center field station or other lodging. Students provide their own tents, personal items, and personal field equipment. The course involves moderately strenuous hikes over uneven ground in the desert environment in temperatures that typically exceed 100 degrees F. A field station expense fee is due up to four weeks before the first day of class to cover the cost of accommodations, the cost of meals while at the Desert Studies Center, entrance fees to National Parks and Preserves, and transportation to and from the desert. If you have questions or need additional information, please contact David Wyatt at (916) 558-2406 or by e-mail at [wyattd@scc.losrios.edu](mailto:wyattd@scc.losrios.edu).

**BIOLFS 311 Natural History Field Study: Advanced Study of the Mojave Desert 2 Units***Prerequisite: BIOLFS 310 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 that can be obtained from the instructor.*

*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. BIOLFS 311 is an advanced extension of BIOLFS 310, Natural History Field Study: Mojave Desert, and provides the student with opportunities to mentor new students in BIOLFS 310 and serve in leadership roles during group learning exercises. These applied experiences and mentoring opportunities are highly desirable to natural resource agencies and to private environmental consultants. Prior completion of BIOLFS 310 (or equivalent) with an A or B grade is a pre-requisite for this course. This course provides elective units involving field experience for students in the Field Ecology Certificate program.

<b>BIOLFS 312 Natural History Field Study: Baja California</b>	<b>4 Units</b>	<b>BIOLFS 350 Natural History Field Study: Sierra Nevada Plants</b>	<b>2 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: Students must be in good health and be able to hike moderate distances through a desert environment with uneven ground and in temperatures often above 100 degrees F.</i>		<i>Advisory: Students must be in good health and able to hike moderate distances in a high elevation environment with uneven ground and variable temperatures.</i>	
<i>Enrollment Limitation: This course requires completion of a written course application that can be obtained from the instructor.</i>		<i>Enrollment Limitation: This course requires completion of a written course application.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC; 108 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
This field course explores the natural history of plants and animals of the desert and marine ecosystems of Baja California, Mexico, as well as historic and cultural sites. Three pre-trip lecture meetings will be held at Sacramento City College accompanied by a mandatory field trip of 14 days in Baja California. Accommodations include a combination of up to four nights in motels (during transit to and from Mexico) and ten nights at the field station in Bahia de Los Angeles (Baja California, Mexico). Students will supply their own bedding, personal items (toiletries, etc), and a limited amount of field equipment for use while at the field station. The course involves moderately strenuous hiking in temperatures generally in the high-90s to low-100s (with high humidity) as well as moderate swimming activities during snorkeling expeditions. The program cost to the student will cover accommodations, meals at the field station, and fees required in Mexico. Transportation may also be covered by the program cost. A valid passport for entry to Mexico and re-entry into the United States is required. For any questions or additional information, please contact Steve James at (916) 650-2776 or by e-mail at <a href="mailto:jamess@scc.losrios.edu">jamess@scc.losrios.edu</a> .		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 <a href="mailto:serafil@scc.losrios.edu">serafil@scc.losrios.edu</a> . This course was formerly known as BIOL 398.	
<b>BIOLFS 324 Natural History Field Study: Sutter Buttes</b>	<b>1 Unit</b>	<b>BIOLFS 495 Independent Studies in Field Biology</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: Students must be in good health and be able to hike moderate distances through rough and uneven terrain.</i>		<i>Advisory: Student must obtain approval from an instructor to conduct an independent study in field biology with that instructor or a combination of instructors. In addition, the student is advised to have previously completed a biology field studies course or have previous biological field experiences prior to enrollment in this course.</i>	
<i>Enrollment Limitation: This course requires completion of a written course application that can be obtained from the instructor.</i>		<i>Enrollment Limitation: The student must obtain approval from an instructor prior to enrollment in the course.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 9 hours LEC; 27 hours LAB</i>		<i>Hours: 162 hours LAB</i>	
This field course explores the plants, animals, and geological features of the Sutter Buttes, called by many people the "world's smallest mountain range." This is a small, isolated cluster of eroded volcanic lava domes in the middle of the northern portion of California's Central Valley. Several lectures will occur at Sacramento City College with two mandatory field trips occurring during weekends. The field trips will occur over three days and will explore the habitats and organisms in a portion of the Sutter Buttes. The course involves moderately strenuous hikes over uneven ground thus students need to be in good health for these hikes. A \$20 landowner access cost is required to enter the private properties in the Sutter Buttes. If you have questions or need additional information, please contact David Wyatt at (916) 558-2406 or by email at <a href="mailto:wyattd@scc.losrios.edu">wyattd@scc.losrios.edu</a> .		This course is for students who wish to develop an in-depth understanding in fundamental topics of field biology and to learn and work in a collaborative atmosphere with instructors and other students. Independent studies are conducted in the field and in the laboratory. This is particularly valuable for biology and ecology students in preparation for independent research as part of their advanced degrees. Instructor approval is required to enroll in this course. Additionally the student is advised to have completed a prior field study course or have previous biological field experiences before enrolling in BIOLFS 495. An independent study project may involve extensive field activities that may occur in rugged and harsh conditions. Therefore, students would need to be in good physical health for most projects. UC transfer credit can be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 semester units required for admissions.	

**Business****BUS, ENTR, 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. – Real Estate**

**Division of Business and Computer Information Science**

**Deborah Saks, Dean**  
**Business Building, room 213**  
**916-558-2581**

**Certificates of Achievement:**

- Accounting (see under Accounting)**
- Business Information Worker**
- Management**
- Marketing**
- Real Estate**

**Certificate:**

- Customer Service**

**Coursework:**

- Entrepreneurship**

**Program Information**

Within the Business area, specific majors are available in Accounting, Advertising, Bookkeeping, Customer Service, Management, Marketing, Real Estate, and Retail 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, 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.

<b>Required Program</b>	<b>Units</b>
ACCT 101 Fundamentals of College Accounting .....	3
BUS 300 Introduction to Business.....	3
BUS 310 Business Communications .....	3
BUS 330 Managing Diversity in the Workplace .....	3
BUS 340 Business Law.....	3
CISA 305 Beginning Word Processing (2)..... or CISA 306 Intermediate Word Processing (2)	2
CISA 315 Introduction to Electronic Spreadsheets (2)..... or CISA 316 Intermediate Electronic Spreadsheets (2)	2
CISC 310 Introduction to Computer Information Science.....	3
ECON 302 Principles of Macroeconomics (3) .....	3
or ECON 100 Introduction to Economics (3)	
A minimum of 3 units from the following: .....	3
BUS 105 Business Mathematics (3)	
BUS 320 Concepts in Personal Finance (3)	
ECON 310 Economic Statistics (3)	
A minimum of 6 units from the following:.....	6
MGMT 304 Introduction to Management (3)	
MGMT 309 Introduction to Supervision (3)	
MGMT 372 Human Relations and Organizational Behavior (3)	
MKT 300 Principles of Marketing (3)	
MKT 330 Internet Marketing (3)	

**Total Units 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.



## Business Administration

### Associate in Science for Transfer

#### Program Information

This Associate in Science in Business Administration for Transfer degree provides students with a major that fulfills the general requirements for seamless transfer to the California State University. Students with this degree will receive priority admission with junior status to the California State University System.

Students should work closely with their Sacramento City College counselors to ensure that they are taking the appropriate coursework to prepare for majoring in Business at the four year college to which they wish to transfer.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

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

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### 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.
- employ commonly used computer application programs to create relevant business documents.
- apply accounting and mathematical concepts and principles in making decisions about business operations.
- assess the relationships and inter-dependencies of economic, social, legal, and global environments in which businesses operate.
- define terms and concepts used in macroeconomics and microeconomics.
- compose effective oral and written communications in various business settings.
- research, develop, evaluate, and test possible solutions using creativity, critical thinking, and technology skills.

#### Required Program

	Units
ACCT 301 Financial Accounting .....	4
ACCT 311 Managerial Accounting .....	4
BUS 340 Business Law (3) .....	3
or BUS 345 Law and Society (3)	
ECON 302 Principles of Macroeconomics.....	3
ECON 304 Principles of Microeconomics.....	3

A minimum of 3 units from the following:..... 3

MATH 340 Calculus for Business and Economics (3)

STAT 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<sup>1</sup>

BUS 300 Introduction to Business (3)

or BUS 310 Business Communications (3)

CISA 305 Beginning Word Processing (2)

CISA 315 Introduction to Electronic Spreadsheets (2)

CISA 340 Presentation Graphics (2)

CISC 310 Introduction to Computer Information Science (3)

#### Total Units Required

25

<sup>1</sup>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

The Associate in Science in Business Administration for Transfer (AST) 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.

## Business Information Worker

### Certificate of Achievement

#### Program Information

The Business Information Worker Certificate is designed to prepare students for entry-level office and administrative support in a variety of organizations.

#### Career Opportunities

Students who successfully complete the Business Information Worker Certificate are prepared for entry-level positions in general office environments in a variety of fields.

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

- demonstrate keyboarding proficiency typing with a minimum of 35 wpm.
- describe how a computer works including identification of the various hardware components.
- create, save, and access files and folders; illustrate an understanding in using file management utilities.
- construct and modify solutions for personal, educational, or business needs applying use of office workplace computer applications.
- construct projects efficiently generating solutions using various workplace computer applications.
- demonstrate the use of electronic mail (e-mail), using attachments and uploading and downloading files and folders, including extracting data.
- analyze business situations and determine appropriate methods to deliver negative and positive messages.

#### Required Program

#### Units

BUS 310 Business Communications .....	3
CISA 305 Beginning Word Processing .....	2
CISA 315 Introduction to Electronic Spreadsheets .....	2
CISA 323 Database Management using Microsoft Access .....	2
CISC 310 Introduction to Computer Information Science.....	3
CISC 320 Operating Systems.....	1

A minimum of 3 units from the following:..... 3

BUS 107 Keyboarding (1-3)

#### Total Units Required

16

#### Certificate of Achievement

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

## 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.....	0.5
BUS 261 Exceptional Customer Service.....	0.5
BUS 262 Team Building in the Workplace .....	0.5
BUS 263 Attitude in the Workplace .....	0.5
A minimum of 2 units from the following:.....	2
BUS 264 Ethics and Values in the Workplace (0.5)	
BUS 265 Stress Management in the Workplace (0.5)	
BUS 266 Time Management in the Workplace (0.5)	
BUS 267 Dealing With Conflict in the Workplace (0.5)	
BUS 268 Decision Making & Problem Solving in the Workplace (0.5)	
BUS 269 Organizational Change (0.5)	
<b>Total Units Required</b>	<b>4</b>

### 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, accounting, 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.
- 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.....	3
MGMT 309 Introduction to Supervision .....	3
MGMT 372 Human Relations and Organizational Behavior .....	3
A minimum of 3 units from the following: .....	3
BUS 105 Business Mathematics (3)	
ECON 310 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)	
or CISA 306 Intermediate Word Processing (2)	
CISA 315 Introduction to Electronic Spreadsheets (2)	
or CISA 316 Intermediate Electronic Spreadsheets (2)	
ECON 100 Introduction to Economics (3)	
or ECON 302 Principles of Macroeconomics (3)	
A minimum of 6 units from the following: .....	6
ACCT 311 Managerial Accounting (4)	
MGMT 308 Personnel and Human Resources Management (3)	
MKT 300 Principles of Marketing (3)	
MKT 330 Internet Marketing (3)	
<b>Total Units Required</b>	<b>37</b>

#### Suggested Electives

ACCT 311, BUS 320, 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.
- 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**

	<b>Units</b>
BUS 330 Managing Diversity in the Workplace .....	3
MGMT 304 Introduction to Management .....	3
MGMT 309 Introduction to Supervision .....	3
MGMT 372 Human Relations and Organizational Behavior .....	3
A minimum of 6 units from the following:.....	6
ACCT 301 Financial Accounting (4) or ACCT 101 Fundamentals of College Accounting (3)	3
BUS 300 Introduction to Business (3)	3
MGMT 308 Personnel and Human Resources Management (3)	3
MKT 300 Principles of Marketing (3)	3
<b>Total Units Required</b>	<b>18</b>

**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 a marketing strategy.
- incorporate professional sales skills by effectively identifying and responding to customers' needs.

- formulate a strategic marketing plan for a new or existing business.
- create the appropriate strategy, execution, and media for advertising.
- examine the concepts of ethics and social responsibility.
- formulate original ideas and concepts in addition to integrating the ideas of others into the problem solving process.
- apply principles of retailing such as business location, merchandising, inventory control, store management, and vendor relationships.
- compose effective verbal and written communications in various business settings.
- create effective internet marketing strategies that enhance a business' relationship with present and future customers.

**Required Program**

	<b>Units</b>
ACCT 101 Fundamentals of College Accounting (3)..... or ACCT 301 Financial Accounting (4)	3 – 4
BUS 300 Introduction to Business.....	3
BUS 310 Business Communications .....	3
BUS 340 Business Law.....	3
CISA 305 Beginning Word Processing .....	2
CISA 340 Presentation Graphics.....	2
ECON 302 Principles of Macroeconomics.....	3
MGMT 304 Introduction to Management Functions.....	3
MKT 300 Principles of Marketing .....	3
MKT 310 Selling Professionally.....	3
MKT 314 Advertising.....	3
MKT 330 Internet Marketing .....	3
A minimum of 3 units from the following:.....	3
BUS 210 The Business Plan (1)	1
BUS 212 Marketing for Small Businesses (1)	1
BUS 220 Retailing and Merchandising for the Small Business (1)	1
BUS 350 Small Business Management/Entrepreneurship (3)	3
<b>Total Units Required</b>	<b>40-41</b>

**Suggested Electives**

BUS 330, CISA 315, MKT 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, and 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 a marketing strategy.
- incorporate professional sales skills by effectively identifying and responding to customers' needs.
- formulate a strategic marketing plan for a new or existing business.
- create the appropriate strategy, execution, and media for advertising.
- examine the concepts of ethics and social responsibility.
- formulate original ideas and concepts in addition to integrating the ideas of others into the problem solving process.
- evaluate practical business problems and utilize critical thinking in the determination of alternative solutions.

<b>Required Program</b>	<b>Units</b>
BUS 300 Introduction to Business.....	3
MKT 300 Principles of Marketing .....	3
MKT 310 Selling Professionally.....	3
MKT 314 Advertising.....	3
MKT 330 Internet Marketing .....	3
A minimum of 3 units from the following:.....	3
MGMT 304 Introduction to Management (3)	
MGMT 372 Human Relations and Organizational Behavior (3)	
MKT 312 Retailing (3)	
<b>Total Units Required</b>	<b>18</b>

#### 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, sales, 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 a marketing strategy.
- examine the concepts of ethics and social responsibility.
- research and evaluate consumer buying behavior and recommend how to utilize marketing communications most effectively to meet consumers' needs.
- assess design techniques to create effective marketing materials.
- integrate the major functional areas of the business organizations including management, marketing, finance, and accounting.
- formulate original ideas and concepts in addition to integrating the ideas of others into the problem solving process.
- create and present media advertising for an advertising campaign.

<b>Required Program</b>	<b>Units</b>
ACCT 101 Fundamentals of College Accounting (3)..... or ACCT 301 Financial Accounting (4)	3 – 4
BUS 300 Introduction to Business.....	3
BUS 310 Business Communications .....	3
BUS 340 Business Law.....	3
CISA 340 Presentation Graphics.....	2
DDSN 311 Digital Layout I (3) .....	3
or DDSN 341 Digital Illustration for Graphic Design I (3)	

DDSN 331 Digital Imaging I.....	3
DDSN 360 User Interface Design .....	3
MGMT 304 Introduction to Management Functions .....	3
MKT 300 Principles of Marketing .....	3
MKT 310 Selling Professionally.....	3
MKT 312 Retailing .....	3
MKT 314 Advertising.....	3
MKT 330 Internet Marketing .....	3

#### Total Units Required

**41-42**

#### Suggested Electives

BUS 330, MKT 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.

## Real Estate

### Associate in Science Degree

#### Certificate of Achievement

#### Program Information

The associate degree program in real estate focuses on the practical application and understanding of the concepts utilized in real estate markets and real estate careers. Course work includes real estate principles, legal aspects of real estate, real estate practice, real estate finance, real estate economics, and appraisal.

#### Career Opportunities

Career opportunities include Real Estate Salesperson, Real Estate Broker, Real Estate Appraiser, Real Estate Investor, Real Estate Lender, 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.

<b>Required Program</b>	<b>Units</b>	<b>BUS 105 Business Mathematics</b>	<b>3 Units</b>
ACCT 101 Fundamentals of College Accounting (3)..... or ACCT 301 Financial Accounting (4)	3-4	<i>Prerequisite: None.</i> <i>Advisory: ESLR 320 or ENGRD 10, and MATH 27 OR MATH 28 with grades of "C" or better; OR placement through assessment process.</i>	
BUS 300 Introduction to Business.....	3	<i>Hours: 54 hours LEC</i>	
CISC 300 Computer Familiarization .....	1	This course is a review of basic mathematical skills and introduces equations and formulas in solving for unknowns. Applications of mathematics in business include such areas as banking, commercial discounts, retail and wholesale markup-markdown, payroll computations, simple and compound interest, bank discount, present value, inventory valuation, depreciation, and financial statements. This course is recommended for many majors in business.	
RE 300 California Real Estate Principles .....	3		
RE 310 Real Estate Practice.....	3		
RE 320 Real Estate Finance.....	3		
RE 330 Legal Aspects of Real Estate .....	3		
RE 342 Real Estate Appraisal .....	3		
RE 360 Real Estate Economics.....	3		
RE 380 Computer Applications in Real Estate .....	3		
A minimum of 3 units from the following: .....	3		
BUS 105 Business Mathematics (3)			
ECON 302 Principles of Macroeconomics (3)			
A minimum of 6 units from the following: .....	6		
ECON 304 Principles of Microeconomics (3)			
MKT 310 Selling Professionally (3)			
MKT 314 Advertising (3)			
RE 350 Real Property Management (3)			
RE 370 Escrow Procedures (3)			
RE 497 Internship in Real Estate (4)			
<b>Total Units Required</b>	<b>37-38</b>		

**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.

**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.*

*Hours: 54 hours LEC*

This course is designed to prepare students to be effective communicators in business and in workplace environments. In addition to correct usage of the English language, students learn effective business writing principles, i.e., brevity and succinctness. Included are skills and techniques of written communication, sentence structure, word usage, punctuation, spelling, business vocabulary, and business document formatting. Emphasis is placed on critical thinking and effective writing techniques through analyzing written communication and composing and organizing paragraphs into effective business documents. Computer skills are utilized throughout the course to format business documents and search the Internet for information and resources. Proofreading skills are also emphasized. This course focuses on teaching students to analyze, compose, and organize written communication into effective business documents. BUS 100 is required by several certificate and degree programs within the Business Division and is recommended for all business majors. It is also a prerequisite to BUS 310 – Business Communications.

**BUS 107 Keyboarding 1-3 Units**

*Prerequisite: None.*

*Hours: 162 hours LAB*

This course provides individualized, self-paced instruction of keyboarding skills. It is designed to help students learn to touch type and use the numeric keypad, while building speed and accuracy. Students may work independently in the computer lab during open lab hours and are awarded units based on successful completion of course learning outcomes. The first unit of credit is earned when the student demonstrates the ability to touch-type at least 33 words per minute, with no more than 5 errors. The second unit of credit is earned when the student demonstrates the ability to touch-type at least 38 words per minute, with no more than 5 errors. The third unit of credit is earned when the student demonstrates operation of a numeric keypad by touch at a rate of 8,000 or more keystrokes per hour with 98 percent accuracy. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester and as space allows. This course is graded on a Pass/No Pass basis and may be taken for a maximum of three units.

**BUS 260 Communicating With Customers .5 Units**

*Prerequisite: None.*

*Hours: 9 hours LEC*

This course introduces key elements of communication and its importance in providing exceptional customer service. Topics include verbal and nonverbal communication as well as listening skills. Emphasis is placed on how to effectively and constructively communicate with internal and external customers. The goal is to provide practical, hands-on skills to non-management level personnel.

**BUS 261 Exceptional Customer Service .5 Units**

*Prerequisite: None.*

*Hours: 9 hours LEC*

This course provides preparation for a broad range of customer service environments. Key skills and attitudes necessary to provide exceptional customer service are developed in this course. Concepts such as internal and external customers, customer satisfaction, and customer retention are explored. Topics also include communicating with customers, developing a positive attitude, handling complaints, and sales skills. The goal is to provide practical, hands-on skills to non-management level personnel.

**BUS 262 Team Building in the Workplace .5 Units**

*Prerequisite: None.*

*Hours: 9 hours LEC*

This course explores team building and the role teams play in providing exceptional customer service. Topics include how effective teams work, common problems teams encounter, and methods for resolving issues between team members. Students will learn to recognize and deal with various coworker personalities and team player styles. The goal is to provide practical, hands-on skills to non-management level personnel.

<b>BUS 263</b>	<b>Attitude in the Workplace</b>	<b>.5 Units</b>	<b>BUS 268</b>	<b>Decision Making &amp; Problem Solving in the Workplace</b>	<b>.5 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Hours: 9 hours LEC</i>			<i>Hours: 9 hours LEC</i>		
This course is designed to introduce the subject of attitude and the importance of a positive attitude in providing exceptional customer service. Participants will develop key skills to maintain a positive attitude in the workplace. Concepts include how attitudes are communicated and how to adjust one's own attitude. Topics will also include the primary causes of a bad attitude and specific techniques to improve the attitudes of others. The goal is to provide practical, hands-on skills to non-management level personnel.			This course introduces the role and importance of effective decision making and problem solving in providing exceptional customer service. Emphasis is placed on recognized techniques for solving problems, common traps to avoid when making decisions, and tools for generating creative solutions. The goal is to provide practical, hands-on skills to non-management level personnel.		
<b>BUS 264</b>	<b>Ethics and Values in the Workplace</b>	<b>.5 Units</b>	<b>BUS 269</b>	<b>Organizational Change</b>	<b>.5 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Hours: 9 hours LEC</i>			<i>Hours: 9 hours LEC</i>		
This course emphasizes the importance of ethics and values in delivering exceptional customer service. Students will learn how to evaluate ethical behavior, how to determine what influences our values, and how values influence actions. Emphasis is placed on developing a personal ethical philosophy and helping others do the right thing. The goal is to provide practical, hands-on skills to non-management level personnel.			This course explores organizational change and the role it plays in providing exceptional customer service. Topics will include understanding organizational change, theoretical models of change, stages of change, and how to survive and thrive when an organization changes. Skills and strategies for becoming a change agent in your organization will be discussed. The goal is to provide practical, hands-on skills to non-management level personnel.		
<b>BUS 265</b>	<b>Stress Management in the Workplace</b>	<b>.5 Units</b>	<b>BUS 300</b>	<b>Introduction to Business</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Hours: 9 hours LEC</i>			<i>Advisory: ENGWR 51 or ESLW 50 with a grade "C" or better.</i>		
This course explores the elements of stress management and its importance in providing exceptional customer service. Topics include the recognition of stress, causes of stress, and the benefits of managing stress. Emphasis is placed on a multitude of ways to handle stress in order to have a more productive professional and personal life. The goal is to provide practical, hands-on skills to non-management level personnel.			<i>General Education: AA/AS Area V(b)</i>		
<b>BUS 266</b>	<b>Time Management in the Workplace</b>	<b>.5 Units</b>	<i>Course Transferable to UC/CSU</i>		
<i>Prerequisite: None.</i>			<i>Hours: 54 hours LEC</i>		
<i>Hours: 9 hours LEC</i>			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)		
<b>BUS 267</b>	<b>Dealing With Conflict in the Workplace</b>	<b>.5 Units</b>	<b>BUS 310</b>	<b>Business Communications</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: BUS 100, ENGWR 101 or ESLW 340 with a grade of "C" or better; or placement through the assessment process.</i>		
<i>Hours: 9 hours LEC</i>			<i>General Education: AA/AS Area II(a)</i>		
This course introduces the subject of conflict management and the importance of managing conflict in providing exceptional customer service. Topics include the meaning of conflict, the causes of conflict between individuals and groups within an organization, and strategies for resolving interpersonal conflict. Emphasis is placed on how to deal with difficult people in customer service situations and how to bring out the best in others. The goal is to provide practical, hands-on skills to non-management level personnel.			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>		
This course applies the theory and principles of ethical and effective written and oral communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing, and revising business documents and creating and delivering professional-level reports using word processing and presentation software. Analytical skills are used to plan, organize, compose, critique, and revise letters, memos, emails, and reports. Message components, which include organization, content, style, tone, grammar, format, and appearance, are critically analyzed. A formal analytical research paper is created and its results are presented. This course is designed for students who already have college-level writing skills. (C-ID BUS 115; Competency: Writing)					

<b>BUS 320</b>	<b>Concepts in Personal Finance</b>	<b>3 Units</b>	<b>BUS 345</b>	<b>Law and Society</b>	<b>3 Units</b>
<i>Prerequisite: BUS 105 or MATH 28 with a grade of "C" or better, or placement through the assessment process.</i>			<i>Prerequisite: None.</i>	<i>General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4G</i>	
<i>Advisory: ENGWR 51 or ESLW 50 with a grade of "C" or better</i>			<i>Course Transferable to UC/CSU</i>		
<i>General Education: AA/AS Area III(b); CSU Area B4</i>			<i>Hours: 54 hours LEC</i>		
<i>Course Transferable to UC/CSU</i>			<i>This course benefits students in every major by making all students aware of their rights and obligations under the law. They will be introduced to the American common law system, with emphasis on the practical aspects, the theory behind the law, and the law as a reflection of society. Areas studied include the U.S. Constitution, the Court and legal systems, law of Crimes, Torts, Contracts, Landlord-Tenant Relationships, Employment, and Family Law. This course is not to be taken in place of BUS 340, Business Law, where required. (C-ID BUS 120)</i>		
<i>Hours: 54 hours LEC</i>					
This course covers how to analyze financial affairs for lifelong personal financial management. It examines the basics of financial planning, analysis, and decision making in areas of goal setting, budgeting, taxes, credit, money management, insurance, investments, and retirement with an emphasis on principles to develop economic decision-making skills.					
<b>BUS 325</b>	<b>Investments and Financial Management</b>	<b>3 Units</b>	<b>BUS 495</b>	<b>Independent Studies in Business</b>	<b>.5-4 Units</b>
<i>Same As: ECON 330</i>			<i>Prerequisite: None.</i>		
<i>Prerequisite: BUS 320, ECON 302, ECON 304, or MATH 120 with a grade of "C" or better, or placement through the assessment process.</i>			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 162 hours LAB</i>		
<i>Hours: 54 hours LEC</i>			<i>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.</i>		
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.					
<b>BUS 330</b>	<b>Managing Diversity in the Workplace</b>	<b>3 Units</b>	<b>BUS 498</b>	<b>Work Experience in Business</b>	<b>1-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D</i>			<i>General Education: AA/AS Area III(b)</i>		
<i>Course Transferable to CSU</i>			<i>Enrollment Limitation: Students must be currently employed or participating in an internship to receive credit for this course.</i>		
<i>Hours: 54 hours LEC</i>			<i>Course Transferable to CSU</i>		
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.			<i>Hours: 18 hours LEC; 300 hours LAB</i>		
			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.		
<b>BUS 340</b>	<b>Business Law</b>	<b>3 Units</b>	<b>BUS 499</b>	<b>Experimental Offering in Business</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None</i>		
<i>Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better</i>			<i>Course Transferable to CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 54 hours LEC</i>		
<i>Hours: 54 hours LEC</i>			<i>See Experimental Offerings</i>		
This course introduces the fundamental legal principles pertaining to business transactions. Topics covered include the legal process, dispute resolution, and federal and state court systems, including a comprehensive study of contracts under the common law and the Uniform Commercial Code. The course emphasizes business ethics, corporate social responsibility, tort law, constitutional law, agency, business crimes, sales transactions, legal structures of business, and criminal law as applied in a business setting. (C-ID BUS 125)					

## Entrepreneurship (ENTR)

### **ENTR 301 Accounting for Entrepreneurs 3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course introduces accounting in a start-up organization and evaluates why it is important and how it is used by investors, creditors, and others to make business decisions. The course covers recording and reporting of business transactions with a focus on the financial statements and statement analysis. It includes how entrepreneurs use accounting information in decision-making, planning, and directing operations. The course will focus on performance analysis in start-up settings.

### **ENTR 350 Introduction to Entrepreneurship, Strategy, and Managing People 3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course introduces the foundational concepts of entrepreneurship. Students will explore the feasibility of a small business idea while writing an opportunity analysis, which is the first step toward development of a full business plan. This course also examines legal forms of ownership, development of a strong business strategy, and development of a plan for managing human resources in a small business.

### **ENTR 352 21st Century Skills & Professional Competencies for Entrepreneurs 3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course is designed to deliver the sought after workplace soft skills and professional competencies. Through curriculum, assessment, and digital badging resources, students will gain knowledge and insights necessary to develop the following workplace soft skills and competencies: adaptability, self-awareness, digital fluency, communication, collaboration, empathy, analysis, resiliency, an entrepreneurial mindset, and social/diversity awareness.

### **ENTR 356 Bootstrap Marketing for Entrepreneurs 3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course is designed to introduce students to the unique challenges of marketing in start-up organizations and to provide tips and techniques for launching and promoting a new business. Students learn about the evolving practice of marketing and the potential for entrepreneurial thinking. A key component of this course is the development of a complete marketing plan for a new business venture.

### **ENTR 358 Entrepreneurship Capstone 3 Units**

*Prerequisite: ENTR 350 with a grade of "C" or better*

*Corequisite: Student may be concurrently enrolled in the above courses.*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course covers the various elements in starting and operating a small business. Students will learn about the components necessary to develop a business plan throughout the guided pathway; and from those components, launch, monitor, and adjust plans regarding the progress of a business operation.

## Management (MGMT)

### **MGMT 295 Independent Studies in Management 1-3 Units**

*Prerequisite: None.*

*Hours: 162 hours LAB*

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 Principles of 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 basic course in management introduces a variety of modern management concepts including management functions of planning, organization, staffing, leadership, and control. In addition, such concepts as team development, communication, business ethics, and global management perspectives will be discussed.

### **MGMT 308 Personnel and Human Resources Management 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 explores essential topics such as managing human resources in a global environment, job design, recruitment and retention methods, performance appraisal techniques, training, compensation, labor management relations, and important human resource laws. This course is valuable for students who anticipate a career in human resource management or general management. Case studies from business are used to develop critical management decision-making skills.

**MGMT 309 Introduction to Supervision                    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 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: 162 hours LAB*

This course is an independent study of a management topic or research project. It is for students who wish to develop an in-depth understanding in fundamental topics of management and to learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

**MGMT 499 Experimental Offering in Management                    .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 examines and presents the qualifications necessary to achieve success in professional selling. Emphasis is placed on the development of a business personality and its application to prospecting, structuring the sales presentation, handling objections, closing, servicing, and customer relationship management. Application of techniques in product and service situations and integration of technology as a sales tool are explored. Different types of selling experiences such as direct, industrial, wholesale, and retail are covered. Students will participate in role-playing exercises and deliver a sales presentation. This course is recommended for all students entering any career in business.

**MKT 312 Retailing                    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 is placed on consumer behavior, creative methods, media selection, measurements of effectiveness, and coordination with other aspects of the marketing program.

**MKT 330 Internet Marketing      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 the use of social media and other internet technologies, with an emphasis on the theory and practice of marketing in an electronic environment. Topics include the personalization and interactivity of the Internet to build strong customer relationships. These concepts are applied to traditional brick and mortar as well as exclusively online businesses.

**MKT 495 Independent Studies in Marketing      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: 162 hours LAB*

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 the understanding, background, and terminology necessary for advanced study in specialized real estate courses. This course is required by the California Department of Real Estate prior to taking the Real Estate Salesperson's examination.

**RE 310 Real Estate Practice      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 the 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 the 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: 54 hours LEC*

This course covers entry-level education in the real estate appraisal field, concentrating on the appraisal of single-family residences (real property). It covers Basic Appraisal Principles (30 Hours) and Basic Appraisal Procedures (30 Hours) pursuant to the Appraiser Qualifications Board's (AQB) Real Property Appraiser Qualification Criteria (effective January 1, 2008). This course is designed to meet the California Bureau of Real Estate Appraisers (BREA) requirements for Basic Education (60 Hours). It also meets the California Bureau of Real Estate (BRE) college-level educational requirements (3 semester units) for the salesperson and broker examinations.

<b>RE 350</b>	<b>Real Property Management</b>	<b>3 Units</b>	<b>RE 380</b>	<b>Computer Applications in Real Estate</b>	<b>3 Units</b>
<i>Prerequisite: RE 300 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>		
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.			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.		
<b>RE 360</b>	<b>Real Estate Economics</b>	<b>3 Units</b>	<b>RE 495</b>	<b>Independent Studies in Real Estate</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 162 hours LAB</i>		
This course covers the nature and classification of land economics, development of property, construction and subdivision, economic values, and real estate evaluation. Real estate cycles and business fluctuations, residential market trends, real property, and special purpose property trends are also covered. This course applies toward educational requirements for the broker's examination.			An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered real estate courses. See the current catalog section of "Independent Studies" for full details.		
<b>RE 370</b>	<b>Escrow Procedures</b>	<b>3 Units</b>	<b>RE 497</b>	<b>Internship in Real Estate</b>	<b>4 Units</b>
<i>Prerequisite: RE 300 with a grade of "C" or better.</i>			<i>Prerequisite: RE 300 with a grade of "C" or better</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 18 hours LEC; 162 hours LAB</i>		
This course covers the functions and responsibilities of the escrow holder, including actual preparation of escrow instructions and documents in a typical real estate transaction. Audit, disbursement, the issuance of closing statements, and analysis of title insurance policies are covered. This course applies toward educational requirements for the broker's examination.			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.		
<b>RE 499</b>	<b>Experimental Offering in Real Estate</b>			<b>.5-4 Units</b>	
<i>Prerequisite: None</i>			<i>Prerequisite: None</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>		
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  
South Gym, room 220  
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 I.....	5
CHEM 401 General Chemistry II .....	5
[CHEM 420 Organic Chemistry I (5) .....	8-10
and CHEM 421 Organic Chemistry II (5)]	
or [CHEM 425 Organic Chemistry with Biological Emphasis I (4)	
and CHEM 426 Organic Chemistry with Biological	
Emphasis II (4)]	
<b>Total Units Required</b>	<b>18-20</b>

#### 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.

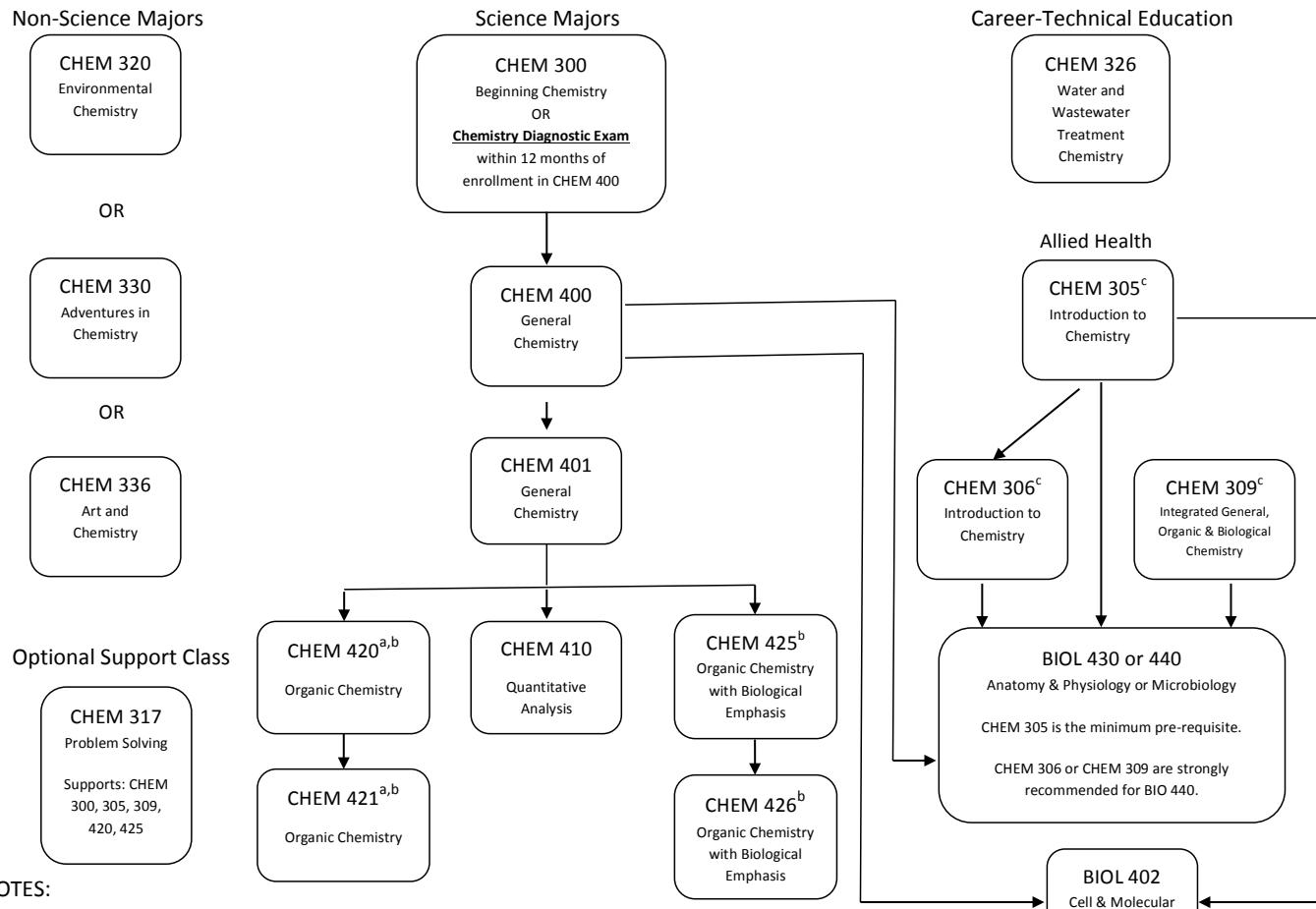


<b>CHEM 309</b>	<b>Integrated General, Organic, and Biological Chemistry</b>	<b>5 Units</b>	<b>CHEM 333</b>	<b>The Science of Coffee</b>	<b>3 Units</b>
Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.			Prerequisite: None.		
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C			General Education: AA/AS Area IV		
Course Transferable to UC/CSU			Course Transferable to CSU		
Hours: 72 hours LEC; 54 hours LAB			Hours: 54 hours LEC		
This course is an intensive survey of general, organic, and biological chemistry specifically designed for nursing majors and other allied health-related fields. Topics include general chemistry, organic chemistry, and biological chemistry as applied to the chemistry of the human body. This course satisfies the requirements of those health-career programs that require one or two semesters of chemistry.			This course is a non-mathematical introduction to the principles of scientific thinking that applies these principles to making the best cup of coffee. Students study the effects of several variables on roasting coffee beans and brewing coffee to see their effects on the taste of the coffee. This course may include an optional field trip.		
<b>CHEM 317</b>	<b>Strategies for Problem Solving in Chemistry</b>	<b>1 Unit</b>	<b>CHEM 336</b>	<b>Art and Chemistry</b>	<b>4 Units</b>
Prerequisite: None.			Prerequisite: None.		
Corequisite: CHEM 300, 305, 306, 309, 420, 421, 425, or 426			General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A		
Course Transferable to CSU			Course Transferable to UC/CSU		
Hours: 18 hours LEC			Hours: 54 hours LEC; 54 hours LAB		
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.			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.		
<b>CHEM 320</b>	<b>Environmental Chemistry</b>	<b>4 Units</b>	<b>CHEM 400</b>	<b>General Chemistry I</b>	<b>5 Units</b>
Prerequisite: None.			Prerequisite: CHEM 300 with a grade of "C" or better completed within one year prior to enrollment in CHEM 400 or placement through the assessment process (ACS California Chemistry Diagnostic Exam) completed within one year prior to enrollment in CHEM 400 (students having taken CHEM 310, CHEM 305, or another chemistry course must complete the assessment process within one year prior to enrollment in CHEM 400) AND MATH 120 or MATH 124 with a grade of "C" or better, or placement through the assessment process. Both prerequisites will be checked at the beginning of the first class meeting.		
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A			Advisory: ENGWR 300 and ESLR 320 with grades of "C" or better; All students enrolling in this course are strongly advised to take the chemistry and math assessment exams administered through the Assessment Center, regardless of prior coursework. These exams provide a better idea of a student's readiness for college level general chemistry, since they measure the actual chemistry and math capabilities of the student as they enroll in the course, rather than at the completion of their preparatory coursework.		
Course Transferable to UC/CSU			General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A; IGETC Area 5C		
Hours: 54 hours LEC; 54 hours LAB			Course Transferable to UC/CSU		
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.			Hours: 54 hours LEC; 108 hours LAB		
<b>CHEM 330</b>	<b>Adventures in Chemistry</b>	<b>4 Units</b>	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; Part of C-ID CHEM 120S)		
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.					

<b>CHEM 401 General Chemistry II</b>	<b>5 Units</b>	<b>CHEM 421 Organic Chemistry II</b>	<b>5 Units</b>
Prerequisite: CHEM 400 with a grade of "C" or better		Prerequisite: CHEM 420 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		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; IGETC Area 5C		General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LEC; 108 hours LAB		Hours: 54 hours LEC; 108 hours LAB	
CHEM 401 is a continuation of CHEM 400. This course includes topics in kinetics, thermodynamics, gas-phase equilibrium, ionic equilibrium, solubility, acid/base chemistry, buffers, electrochemistry, chemistry of coordination compounds, and nuclear chemistry. A brief introduction to organic chemistry is also included. Critical thinking and writing skills will be practiced in this course. CHEM 401 is for students in biology, chemistry, pre-dentistry, pre-medicine, pre-pharmacy, engineering, and other physical sciences. The laboratory includes both quantitative and qualitative experiments and some qualitative analysis. Written laboratory reports are required. It is highly recommended that CHEM 400 and 401 be taken during consecutive semesters. Some sections may require on-line homework. (Part of C-ID CHEM 120S)		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 160; Part of C-ID CHEM 160S)	
<b>CHEM 410 Quantitative Analysis</b>	<b>5 Units</b>	<b>CHEM 423 Organic Chemistry – Short Survey</b>	<b>5 Units</b>
Prerequisite: CHEM 401 with a grade of "C" or better		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 CSU	
Course Transferable to UC/CSU		Hours: 72 hours LEC; 54 hours LAB	
Hours: 54 hours LEC; 108 hours LAB		This course is a survey of carbon containing compounds with emphasis on organic compounds of biological interest. Topics include the chemistry of organic functional groups, infrared spectroscopy, and mechanisms of reactions. This course is designed primarily for students majoring in the life sciences, nutrition and dietetics, and related fields. This course is not recommended for students majoring in chemistry, chemical engineering, medicine, dentistry, pharmacy, or chiropractics.	
<b>CHEM 420 Organic Chemistry I</b>	<b>5 Units</b>	<b>CHEM 425 Organic Chemistry with Biological Emphasis I</b>	<b>4 Units</b>
Prerequisite: CHEM 401 with a grade of "C" or better.		Prerequisite: CHEM 401 with a grade of "C" or better	
Advisory: Concurrent enrollment in CHEM 317.		Advisory: Concurrent enrollment in CHEM 317.	
General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A		General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LEC; 108 hours LAB		Hours: 54 hours LEC; 54 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; Part of C-ID CHEM 160S)		The CHEM 425, 426 series is designed to fulfill the requirements of students planning professional school studies in the health and biological sciences. It will also satisfy the needs of students majoring in the life sciences and related areas. This course is intended for students not majoring in chemistry and not planning to take additional courses in organic chemistry beyond the CHEM 425, 426 series. Lecture topics include the preparation, properties, and reactions of alkanes, alkenes, alkynes, alkyl halides, alcohols, and radical chemistry, with emphasis on applications in the biological sciences. Also included are stereoisomerism and spectroscopy. Laboratory work covers standard laboratory practices including extraction, crystallization, organic synthesis, reaction analysis, gas chromatography, thin layer chromatography, and infrared spectroscopy. (Part of C-ID CHEM 160S)	

<b>CHEM 426    Organic Chemistry with Biological Emphasis II</b>	<b>4 Units</b>	<b>CHEM 495    Independent Studies in Chemistry</b>	<b>1-3 Units</b>
<i>Prerequisite: CHEM 420 or 425 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Advisory: Concurrent enrollment in CHEM 317.</i>		<i>Course Transferable to CSU</i>	
<i>General Education: AA/AS Area IV; CSU Area B1; CSU Area B3; IGETC Area 5A</i>		<i>Hours: 162 hours LAB</i>	
<i>Course Transferable to UC/CSU</i>		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 toward the minimum 60 units required for admissions.	
<i>Hours: 54 hours LEC; 54 hours LAB</i>			
This course is a continuation of CHEM 425. It focuses on the preparation, properties, reactions, spectroscopy (IR, HNMR, CNMR, and UV), and mass spectrometry of organic compounds, including benzene and benzene derivatives, aldehydes, ketones, dicarbonyl compounds, carboxylic acids, carboxylic acid derivatives, and amines. Applications in the biological sciences are emphasized. Biological macromolecule organic chemistry (carbohydrates, proteins, etc.) is also presented. Laboratory work includes qualitative analysis, distillation, multi-step organic synthesis, and use of analytical instrumentation (FTIR, GC, and GC-MS) for characterization of compounds. (Part of C-ID CHEM 160S)			
<b>CHEM 484    Advanced General Chemistry – Honors</b>	<b>1 Unit</b>	<b>CHEM 499    Experimental Offering in Chemistry</b>	<b>.5-4 Units</b>
<i>Prerequisite: CHEM 400 with a grade of "C" or better</i>		<i>Prerequisite: None</i>	
<i>General Education: CSU Area B1; CSU Area B3</i>		<i>Course Transferable to UC/CSU</i>	
<i>Enrollment Limitation: Eligibility for the Honors Program.</i>		<i>Hours: 54 hours LEC; 36 hours LAB</i>	
<i>Course Transferable to UC/CSU</i>		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.	
<i>Hours: 54 hours LAB</i>			
Honors Advanced General Chemistry provides advanced studies of chemical concepts introduced in CHEM 400 and related concepts, including advanced laboratory work. This honors course uses an intensive methodology designed to challenge motivated students. For this course, each student does research on a particular project with an advisor who is a chemistry professor.			
<b>CHEM 494    Topics in Chemistry</b>	<b>.5-3 Units</b>		
<i>Prerequisite: Determined by topic</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 54 hours LEC</i>			
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.			

## Chemistry Course Sequence


**NOTES:**

a Chemistry and Chemical Engineering Majors

b Pre-med, Pharmacy, Dentistry and Pre-vet Majors

c CHEM 309 is recommended if a student would like to take CHEM 306, BUT it has been two or more years since they took CHEM 305.

# Communication      COMM

## Degrees:

**A.A. – Communication**

**AA-T – Communication Studies for Transfer**

## Division of Humanities and Fine Arts

**Chris Iwata, Dean**

**Performing Arts Center, room 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 Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### **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**

	<b>Units</b>
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. Students may also be required to record speeches for instructor and peer feedback. (C-ID COMM 110)

**COMM 303 Mediated Oral Communication 3 Units**

*Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.*

*Advisory: COMM 301 with a grade of "C" or better; Completion of CISA 340 with grade of "C" or better or proficiency with computer presentation graphics (e.g., PowerPoint)*

*General Education: AA/AS Area II(b)*

*Course Transferable to UC/CSU*

*Hours: 54 hours LEC*

This course focuses on the analysis and practice of effective oral communication using a variety of mediums with diverse audiences. Focus is placed on the design and delivery of oral messages in traditional public speaking situations as well as via auditory and visual channels. As this course meets the oral communication requirement, each student will complete a minimum of twenty-two minutes of evaluated speaking time through oral presentations in front of a live audience. Students are required to actively participate in groups and deliver group oral presentations via video conferencing. This course is designed for students who already have college-level writing skills. Students conduct primary and secondary research to create informative and persuasive oral presentations and incorporate this research into formal outlines using APA or MLA style citations. When this course is offered in an online format, the public speaking portion of the course requires students gather a live audience to speak in front of, secure appropriate facilities for recording, and record speeches for review and assessment by the instructor. Recording equipment and access to a computer with online capabilities is required and is available on campus.

**COMM 305 Oral Interpretation 3 Units**

*Prerequisite: None.*

*Advisory: COMM 301, ENGRD 310, and ENGWR 301 with grades 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 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: AA/AS Area II(b); 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 318 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 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. (C-ID COMM 190)

**COMM 316 Advanced Argumentation and Critical Thinking 3 Units**

*Prerequisite: ENGWR 300 or ESLW 340 with a grade of "C" or better*

*Advisory: LIBR 325 or LIBT 325 with a grade of "C" or better*

*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 designed to extend students' critical thinking, argumentation, and reasoning in the context of the communication environment. The goal is to expand understanding of their logical processes and their relation to both written and spoken communication. Students will develop the ability to analyze, criticize, and advocate for ideas; to reason inductively and deductively; and to reach well-supported factual or judgmental conclusions. Elementary inductive and deductive processes will be covered, including an understanding of the formal and informal fallacies of language and thought and the ability to distinguish matters of fact from issues of judgment or opinion. Significant emphasis will be on the sophistication of written skills surrounding argument and rhetoric. Students will write a minimum of 6,500 words.

<b>COMM 321 Interpersonal Communication      3 Units</b>	<b>COMM 335 Conflict Management      3 Units</b>
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	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 D; IGETC Area 4 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 communication effectiveness through heightened awareness and greater skill as both a sender and receiver of shared messages. (C-ID COMM 130)	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.
<b>COMM 325 Intercultural Communication      3 Units</b>	<b>COMM 341 Organizational Communication      3 Units</b>
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 VI; CSU Area D; IGETC Area 4G Course Transferable to UC/CSU Hours: 54 hours LEC	Prerequisite: None. Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better, or placement into ENGWR 300 through the assessment process, and completion of ENGRD 110 or ESLR 320 with a grade of "C" or better. 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 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)	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.
<b>COMM 331 Group Discussion      3 Units</b>	<b>COMM 351 Mass Media and Society      3 Units</b>
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	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 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)	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)
<b>COMM 361 The Communication Experience      3 Units</b>	
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 relation-	

ships, 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 481 Introduction to Public – Speaking Honors                    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)*

*Enrollment Limitation: Eligibility for admission to the Honors Program.*

*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 22 minutes of evaluated speaking time. This course is designed for students who already have college-level writing skills. Students conduct primary and secondary research to create informative and persuasive oral presentations and incorporate this research into formal outlines using APA or MLA style citations. Recording equipment may be used as an aid to the student's self-analysis and improvement. Access to a computer with online capabilities may be required and is available on campus. Students may also be required to record speeches for instructor and peer feedback. As an Honors Course, this course requires students to (1) compose and present professional conference paper presentations, (2) learn about and demonstrate competence in Q & A sessions following presentations, and (3) analyze and apply critical evaluation skills through academic papers. This course is not open to students who have completed COMM 301.

**COMM 494 Topics in Communication                    .5-4 Units**

*Prerequisite: None.*

*Course Transferable to 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: 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 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.

**Community Leadership Development COMDE**

**To Be Announced, Vice President of Student Services  
Rodda Hall North, room 272  
916-558-2141**

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**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: 162 hours LAB*

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

**Degree:**  
A.A. – Community Studies

**Certificate of Achievement:**  
Community Studies

**Department of Sociology**  
**Division of Behavioral and Social Sciences**  
Kasey Gardner, Dean  
Rodda Hall North, room 226  
916-558-2401

### Community Studies

**Associate in Arts Degree**

**Certificate of Achievement**

#### Program Information

Community Studies is an applied sociology program that provides a foundation for students to explore the social services, community development practices, and social justice efforts to address social inequities. Sociological theory and research principles will guide critical academic exploration and development, which will be applied to a hands on practicum field experience under the supervision of faculty and professionals in the community. The A.A. degree and certificate in Community Studies will offer additional broader employment options and career advancement opportunities.

#### Career Opportunities

The degree and certificate in Community Studies are designed to prepare students to work in public, private, and nonprofit community service organizations such as social service, educational, correctional, mental health, community development and community health agencies, and programs. The A.A. degree may also serve as the first level of education in a career ladder leading to a BA in social work, community development, or sociology and then on to advanced study in a variety of graduate programs leading to masters and doctoral degrees.

#### 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:

- demonstrate an understanding of the evolution of the social services, community development practice, and related public policy.
- identify, analyze, and help to construct strategies for social change through participation in the social justice work of an organization.
- analyze how communities attempt to overcome problems associated with inequality, cultural stigma, prejudice, and discrimination.
- analyze social service and community development organizational structures and their functions.
- identify and evaluate the various roles of a community worker.
- assess, compare, and develop core interventions and community resources.
- integrate personal sensitivity and awareness of the cultural diversity of clients, professionals, and communities.
- assess and apply knowledge of existing professional codes of ethics and laws related to the social services and community development.

#### Required Program

#### Units

SOC 321 Race, Ethnicity and Inequality in the United States (3) .....	3
or SOC 482 Sociology of Race, Ethnicity and Inequality In the United States – Honors (3)	
SOC 375 Introduction to Community Development .....	3

#### Fall Semester:

SOC 380 Introduction to Social Services .....	3
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#### Spring Semester:

SOC 382 Introduction to Casework in Social Services.....	3
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A minimum of 3 units from the following: .....	3
SOC 385 Practicum in Sociology (1 – 4)	
A minimum of 6 units from the following: .....	6
ADMJ 304 Juvenile Delinquency (3)	
ADMJ 340 Introduction to Correctional Services (3)	
COMM 325 Intercultural Communication (3)	
PSYC 370 Human Development: A Life Span (3)	
or FCS 324 Human Development: A Life Span (3)	
PSYC 390 Psychology of Death and Dying (3)	
ADMJ 303 Substance Abuse: Effects on Body and Behavior (3)	
or PSYC 405 Substance Abuse: Effects on Body and Behavior (3)	
SOC 301 Social Problems (3)	
or SOC 481 Social Problems – Honors (3)	
SOC 310 Marriage and the Family (3)	
or FCS 320 Marriage and the Family (3)	
SOC 318 Introduction to Crime, Deviance, and Social Control (3)	
or ADMJ 349 Introduction to Crime, Deviance, and Social Control (3)	
SOC 335 Sociology of Aging (3)	
or GERON 300 Sociology of Aging (3)	
SOC 343 Women and Social Action (3)	

#### Total Units Required

21

#### Suggested Electives

PSYC 320, PSYC 340

#### 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

### 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
- Data Science
- Front-End Web Developer
- Information Processing Specialist
- Information Processing Technician
- Information Systems Security
- Management Information Science
- Network Administration
- Network Design
- PC Support
- Programming
- Web Developer
- Web Production Specialist

## 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.

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

- develop best practices for configuring scalable Internet Protocol addresses.
- construct and configure complex access control lists.
- design and test edge router connectivity into a Border Gateway Protocol network.
- evaluate and implement advanced multilayer switching configuration.

#### Required Program

#### Units

CISS 327 Cisco Networking Academy™: .....	3.5
CCNA Security: Implementing Network Security	
CISN 342 CISCO Networking Academy.....	3.5
(CCNA)tm: Advanced Routing and Switching	
CISN 343 CISCO Networking Academy (CCNA)tm: .....	3.5
Wide Area Network and Project-Based	
CISN 350 CISCO Networking Academy (CCNP)tm: .....	3.5
Advanced Router Configuration	
CISN 351 CISCO Networking Academy (CCNP)tm: .....	3
Remote Access (3)	
or CISN 336 Wireless Technologies (3)	
CISN 352 CISCO Networking Academy (CCNP)tm: .....	3.5
Multi-Layer Switching	
CISN 353 CISCO Networking Academy (CCNP)tm: Internetwork Troubleshooting .....	3.5

#### Total Units Required

#### 24

## CISA, CISC, CISN, CISP, CISS, CISW

### Division of Business and Computer Information Science

Deborah Saks, Dean  
Business Building, room 213  
916-558-2581

#### 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

#### Program Information

This Computer Science program is designed for students preparing for careers in systems analysis and software development. It provides the lower division transfer foundation in programming languages, databases, and operating systems.

#### Career Opportunities

Technical positions include: computer operator, computer programmer, systems analyst, database administrator, computer support or help desk specialist, Web developer, and application developer. California is experiencing a shortage of students completing a BS degree in these fields and this shortage is expected to be worse in 2020.

#### 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 University of California, Davis should include computer-programming languages in C++ or Java, assembly language, data structures, discrete structures, one year of analytical geometry and calculus, and physics or chemistry. Students must also meet university admission requirements and other general education courses as outlined by each university. Consultation with an SCC counselor is advised.

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

- analyze development projects.
- build a project while utilizing the project development model.
- manage a programming project, both individually and as a member of a team, from initial concept through design, programming, debugging, testing, and deployment.
- evaluate a program to determine how it will meet the needs of its intended audience.
- use a database to store data associated with programs written in a programming language.
- design, write, test, debug, and implement computer programs in a structured language, a low-level language, an object-oriented language, or scripting language.
- create programs utilizing a variety of programming environments.

**Required Program****Units**

CISA 323 Database Management using Microsoft Access .....	2
CISA 324 Intermediate Database Management using Access.....	2
CISC 310 Introduction to Computer Information Science.....	3
CISC 323 Linux Operating System .....	1
CISC 324 Intermediate Linux Operating System .....	1
CISP 301 Algorithm Design and Implementation.....	4
CISP 310 Assembly Language Programming for Microcomputers ....	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 440 Discrete Structures for Computer Science (3).....	3 <sup>1</sup>
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 362 Programming for Mobile Devices I (4)	
CISP 401 Object Oriented Programming with Java (4)	
CISP 452 Introduction to Systems Programming (3)	
CISP 457 Introduction to Systems Analysis and Design (3)	
CISS 300 Introduction to Information Systems Security (1)	
CISS 310 Network Security Fundamentals (3)	
CISW 400 Client-side Web Scripting (4)	
CISW 410 Middleware Web Scripting (4)	

**Total Units Required****38**

<sup>1</sup> Students who plan to transfer should take CISP 440. Students looking for immediate employment should take CISP 457.

**Suggested Electives**

BUS 300, 310, 330; ENGWR 300, 488; ESLW 340, MATH 400, 401, 420

**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.

**Computer Science****Certificate of Achievement****Program Information**

The Computer Science program is designed to prepare students for careers in software systems analysis and development. The program provides the required foundations of systems analysis, programming languages, software development, 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. California is experiencing a shortage of students completing a BS degree and the number of new employees required in this field will grow to one million by 2020.

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

- analyze development projects.
- build a project while utilizing the project development model.
- manage a programming project, both individually and as a member of a team, from initial concept through design, programming, debugging, testing, and deployment.
- evaluate a program to determine how it will meet the needs of its intended audience.
- use a database to store data associated with programs written in a programming language.
- design, write, test, debug, and implement computer programs in a structured language, a low-level language, an object-oriented language, or scripting language.
- create programs utilizing a variety of programming environments.

**Required Program****Units**

CISA 323 Database Management using Microsoft Access .....	2
CISA 324 Intermediate Database Management using Access.....	2
CISC 310 Introduction to Computer Information Science.....	3
CISC 323 Linux Operating System .....	1
CISC 324 Intermediate Linux Operating System .....	1
CISP 301 Algorithm Design and Implementation.....	4
CISP 310 Assembly Language Programming for Microcomputers ....	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 440 Discrete Structures for Computer Science (3).....	3 <sup>1</sup>
or CISP 457 Introduction to Systems Analysis and Design (3)	

A minimum of 6 units from the following: .....

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 362 Programming for Mobile Devices I (4)	
CISP 401 Object Oriented Programming with Java (4)	
CISP 452 Introduction to Systems Programming (3)	
CISP 457 Introduction to Systems Analysis and Design (3)	
CISS 300 Introduction to Information Systems Security (1)	
CISS 310 Network Security Fundamentals (3)	
CISW 400 Client-side Web Scripting (4)	
CISW 410 Middleware Web Scripting (4)	

**Total Units Required****38**

<sup>1</sup> Students who plan to transfer should take CISP 440. Students looking for immediate employment should take CISP 457.

**Certificate of Achievement**

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

## Data Science

### Certificate of Achievement

#### Program Information

This certificate is designed for students who aspire to master the essential knowledge and skills required for big data storage, discovering, analyzing, visualizing, and application. Students will learn to derive value from vast amounts of data and apply big data analytics techniques to make effective data-driven decisions.

#### Career Opportunities

Successful completion of the program will provide students job opportunities in data science.

Data science-related job titles such as data scientist, data analyst, big data analyst, business analyst, and SAS programmer are all possible job opportunities.

The top five industries hiring big data-related expertise include Professional, Scientific and Technical Services, Information Technologies, Manufacturing, Finance and Insurance and Retail Trade.<sup>1</sup>

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

- explain how big data is useful in business or career.
- demonstrate understanding of the five Vs of big data (volume, velocity, variety, veracity, and value).
- evaluate the core concepts behind big data problems, applications, and systems.
- analyze big data using statistical methods and techniques.
- apply big data analytics techniques for effective data-driven decision-making.

#### Required Program

#### Units

CISA 324 Intermediate Database Management using Access.....	2 – 3
or CISP 350 Database Programming (3)	
CISP 301 Algorithm Design and Implementation.....	4
CISP 357 Introduction to Big Data .....	4
CISP 358 Data Analysis .....	4
CISP 359 Big Data Analytics.....	4

#### Total Required Units

#### 18 – 19

#### Certificate of Achievement

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

## Front-End Web Developer

### Certificate of Achievement

#### Program Information

Front-end Web Developers are proficient at creating website structure with some interactivity. Emphasis is on learning HTML, CSS, JavaScript, and user interface, user experience design.

#### Career Opportunities

Career Opportunities could include employment in front-end Web Development or Web Production. This certificate provides foundation skills needed to work toward becoming a Web Developer.

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

- manage a multi-level website hosted on a Web server.
- utilize multiple programs simultaneously in order to develop websites.
- research and implement current, valid World Wide Web Consortium (W3C) standards, including W3C Accessibility Standards.
- plan a structured approach to website development that identifies the information dissemination needs of a client and organizes the content effectively and efficiently in order to communicate to an identified audience and then develop and implement an appropriate Web solution.
- write HTML, CSS, and JavaScript code in the currently used version.
- utilize client-side scripting in order to manipulate interactive objects like navigation bars, forms, rollovers, other event handling, and the control of windows, frames, and layers.

- create composite images that demonstrate visual design concepts of scale, rhythm, and balance.
- construct images utilizing selections, layers, masks, adjustment layers, and blending modes.
- demonstrate the use of current technologies and processes of user interface and responsive website design.
- conceive and design effective website wireframes, navigation, user interfaces, and Web page prototypes.
- describe the relationship between user-centered design concepts, user interface (UI) design, user experience (UX) design, and usability testing.

#### Required Program

#### Units

CISC 305 Introduction to the Internet .....	1
CISC 310 Introduction to Computer Information Science.....	3
CISC 323 Linux Operating System .....	1
CISC 324 Intermediate Linux Operating System .....	1
CISP 301 Algorithm Design and Implementation.....	4
CISW 306 Introduction to Web Page Creation and Web Accessibility .....	2 <sup>1</sup>
CISW 327 Introduction to Web Development coding HTML and CSS .....	4 <sup>2</sup>
CISW 400 Client-side Web Scripting .....	4
DDSN 331 Digital Imaging I.....	3
DDSN 360 User Interface Design .....	3

#### Total Units Required

#### 26

<sup>1</sup> CISC 306 AND CISW 370 may be substituted for this course.

<sup>2</sup> CISW 320 AND CISW 304 may be substituted for this course.

#### 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 inter-related certificates (Information Processing Technician and Information Processing Specialist) as major fields of study with general education courses in other disciplines to earn an Associate in Science degree in Information Processing.

#### Career Opportunities

Students who have obtained certificates (Information Processing Technician and Information Processing Specialist) are interested in attaining associate degrees for continued job advancement. Many employees with advanced software proficiencies and competencies in hardware support, maintenance, and repair are considered top candidates for supervisory or managerial positions. Students completing this program may work as office supervisors, office managers, computer support specialists, and information processing specialists.

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

- demonstrate an understanding of global, ethical, and societal concerns relating to the impact of computers.
- adapt to technological changes and innovations in computers and use the techniques, skills, and tools necessary to meet industry needs.
- analyze needs, design solutions, and implement necessary microcomputer applications or processes to on-the-job problems in a team environment using appropriate diagnostic tools.

#### Required Program

#### Units

CISA 305 Beginning Word Processing .....	2
CISA 306 Intermediate Word Processing .....	2
CISA 315 Introduction to Electronic Spreadsheets .....	2

CISA 316 Intermediate Electronic Spreadsheets (2) .....	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) .....	3
CISC 320 Operating Systems.....	1
CISC 351 Introduction to Local Area Networks (1) .....	1 – 3.5
or CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3.5)	
CISC 360 Information & Communication Technology Essentials (A+). 4	
CISS 300 Introduction to Information Systems Security (1).....	1 – 3
or CISS 310 Network Security Fundamentals (3)	

**Total Units Required****23 – 27.5****Suggested Electives**

BUS 310, CISC 323, 351; CISN 340; CISP 301; 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 evidenced by the student previously completing the Information Processing Technician certificate. As the student advances in an office-related career path, technical expertise in all aspects of information processing is expected. In addition to advanced software courses in spreadsheet or database management, this certificate also provides the student with hands-on training in hardware support and maintenance.

**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.

Students completing this program may work as secretaries, office workers, first line supervisors, administrative analysts, information resource personnel, or lead administrative specialists.

**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 316 Intermediate Electronic Spreadsheets (2) .....	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) .....	3
CISC 320 Operating Systems.....	1

CISC 351 Introduction to Local Area Networks (1) .....	1 – 3.5
or CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3.5)	
CISC 360 Information & Communication Technology Essentials (A+). 4	
CISS 300 Introduction to Information Systems Security (1).....	1 – 3
or CISS 310 Network Security Fundamentals (3)	

**Total Units Required****23 – 27.5****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 focuses on basic entry-level skills in word processing, operating systems, spreadsheet, database management, graphics, and the use of the Internet. This certificate is designed for students interested in job advancement requiring microcomputer software skills.

**Career Opportunities**

Students who are currently employed in entry-level office-related jobs are interested in opportunities for advancement. These positions usually require competencies in microcomputer applications courses in the Windows operating system environment. These microcomputer application courses include: word processing, spreadsheet, database management, graphic presentation, and the use of the Internet. Students completing this program may work as health information technicians, customer or client service representatives, and customer support specialists.

**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
CISA 340 Presentation Graphics.....	2
CISC 305 Introduction to the Internet .....	1
CISC 310 Introduction to Computer Information Science.....	3

**Total Units Required****14****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.

#### 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

CISN 300 Network Systems Administration (3) .....	3
or CISN 303 Network Administration – Linux Server (3)	
CISS 300 Introduction to Information Systems Security .....	1
CISS 315 Ethical Hacking.....	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)	
CISS 350 Disaster Recovery .....	3
CISS 360 Computer Forensics and Investigation .....	3

A minimum of 6 units from the following: .....

- CISC 351 Introduction to Local Area Networks (1)
- CISC 355 Introduction to Data Communications (1.5)
- CISC 360 Information & Communication Technology Essentials (A+) (4)
- CISN 303 Network Administration – Linux Server (3)
- CISN 315 Advanced Network Administration – Linux Server (3)
- CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3.5)
- CISN 341 CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies (3.5)
- CISS 321 Scripting for Cyber Security (3)
- CISS 327 Cisco Networking Academy™: CCNA Security: Implementing Network Security (3.5)

#### Total Units Required

#### 31

#### 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 the Certified Information Systems Security Professional (CISSP) certification exam.

#### Career Opportunities

Networking/security skills and experience are needed for technical support staff, administrators, designers, troubleshooters, and information systems security specialists.

#### 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.
- construct file system permissions and share permissions to allow only the minimum levels of access needed by users to use network resources.
- define the elements of the CIA triad, defining the purpose of each of the elements.
- utilize a protocol analyzer, demonstrating the ability to capture unencrypted packets for viewing.

#### Required Program

#### Units

CISN 300 Network Systems Administration (3) .....	3
or CISN 303 Network Administration – Linux Server (3)	
CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3.5) .....	3 – 3.5
or CISN 304 Networking Technologies (3)	
CISS 300 Introduction to Information Systems Security .....	1
CISS 315 Ethical Hacking.....	3
CISS 310 Network Security Fundamentals.....	3
CISS 320 Implementing Network Security and Counter Measures .....	3
CISS 341 Implementing Windows Operating System Security (3) .....	3
or CISS 342 Implementing Linux Operating System Security (3)	
CISS 360 Computer Forensics and Investigation .....	3

#### Total Units Required

#### 22-22.5

#### 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 manager and specialists, programmers and analysts, software specialists, systems analysts, technical writers, information systems security specialists, and webmasters.

##### 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 an 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
A minimum of 4 units from the following: .....	4
CISP 400 Object Oriented Programming with C++ (4)	
CISP 401 Object Oriented Programming with Java (4)	

A minimum of 4 units from the following: .....

- CISA 306 Intermediate Word Processing (2)
- CISA 316 Intermediate Electronic Spreadsheets (2)
- CISC 324 Intermediate Linux Operating System (1)
- CISC 355 Introduction to Data Communications (1.5)
- CISC 360 Information & Communication Technology Essentials (A+) (4)

A minimum of 6 units from the following: .....

- CISC 355 Introduction to Data Communications (1.5)
- CISN 300 Network Systems Administration (3)
- CISN 303 Network Administration – Linux Server (3)
- CISN 306 Advanced Network Systems Administration (3)
- CISN 308 Internetworking with TCP/IP (3)
- CISP 310 Assembly Language Programming for Microcomputers (4)
- CISP 350 Database Programming (3)
- CISP 400 Object Oriented Programming with C++ (4)
- CISP 401 Object Oriented Programming with Java (4)
- CISP 430 Data Structures (4)
- CISP 440 Discrete Structures for Computer Science (3)
- CISP 452 Introduction to Systems Programming (3)
- CISP 457 Introduction to Systems Analysis and Design (3)
- CISS 300 Introduction to Information Systems Security (1)
- CISS 315 Ethical Hacking (3)
- CISS 310 Network Security Fundamentals (3)
- CISW 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; MATH 120, 400, 401; 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.

##### 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, 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.

<b>Required Program</b>	<b>Units</b>	<b>Upon completion of this program, the student will be able to:</b>
CISC 320 Operating Systems (1) ..... or CISC 323 Linux Operating System (1)	1	<ul style="list-style-type: none"> <li>• develop best practices for configuring Internet Protocol (IP) addresses.</li> </ul>
CISN 300 Network Systems Administration (3) .....	3	<ul style="list-style-type: none"> <li>• evaluate and implement technologies to support IP routing protocols such as Routing Information Protocol (RIP), Interior Gateway Routing Protocol (IGRP), and Open Shortest Path First (OSPF).</li> </ul>
CISN 302 Intermediate Network Systems Administration .....	3	<ul style="list-style-type: none"> <li>• construct and configure access lists.</li> </ul>
CISN 306 Advanced Network Systems Administration (3) .....	3	<ul style="list-style-type: none"> <li>• compare and contrast types of network media.</li> </ul>
CISN 307 Windows Active Directory Services.....	3	<ul style="list-style-type: none"> <li>• demonstrate working knowledge of principles in computer networking and data management, information systems security, or web server administration, depending on the electives chosen.</li> </ul>
CISN 308 Internetworking with TCP/IP .....	3	<ul style="list-style-type: none"> <li>• demonstrate competency in Windows operating system terminology and commands, account management, and file management and storage.</li> </ul>
CISS 310 Network Security Fundamentals (3) .....	3	
or CISS 315 Ethical Hacking (3)		
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 303 Network Administration – Linux Server (3)		
CISN 304 Networking Technologies (3)		
CISN 315 Advanced Network Administration – Linux Server (3)		
CISN 320 Designing Windows Directory Services (3)		
CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3.5)		
CISN 341 CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies (3.5)		
CISN 346 Network Design and Projects (3.5)		
CISN 374 Messaging Server Administration (3)		
CISS 315 Ethical Hacking (3)		
CISS 310 Network Security Fundamentals (3)		
CISS 320 Implementing Network Security and Counter Measures (3)		
CISS 321 Scripting for Cyber Security (3)		
CISS 327 Cisco Networking Academy™: CCNA Security: Implementing Network Security (3.5)		
CISS 330 Implementing Internet Security and Firewalls (3)		
CISS 350 Disaster Recovery (3)		
CISS 360 Computer Forensics and Investigation (3)		
<b>Total Units Required</b>	<b>29</b>	
<b>Suggested Electives</b>		
BUS 310, ENGWR 300, 488; STAT 300, 480		
<b>Associate in Science (A.S.) Degree</b>		
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.		
<b>Certificate of Achievement</b>		
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.		
<b>Network Design</b>		
<b>Associate in Science Degree</b>		
<b>Certificate of Achievement</b>		
<b>Program Information</b>		
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.		
<b>Career Opportunities</b>		
Networking skills and experience are needed for network technical support staff, network administrators, network designers, network troubleshooters, and information systems security specialists.		
<b>Gainful Employment</b>		
For more information about program costs, graduation rates, median debt of program graduates, and other important information regarding gainful employment, please visit: <a href="http://www.losrios.edu/gainful-emp-info/gedt.php?major=051422C01">http://www.losrios.edu/gainful-emp-info/gedt.php?major=051422C01</a>		
<b>Required Program</b>	<b>Units</b>	<b>Upon completion of this program, the student will be able to:</b>
CISC 320 Operating Systems (1) .....	1	<ul style="list-style-type: none"> <li>• develop best practices for configuring Internet Protocol (IP) addresses.</li> </ul>
CISN 300 Network Systems Administration (3) .....	3	<ul style="list-style-type: none"> <li>• evaluate and implement technologies to support IP routing protocols such as Routing Information Protocol (RIP), Interior Gateway Routing Protocol (IGRP), and Open Shortest Path First (OSPF).</li> </ul>
CISN 302 Intermediate Network Systems Administration .....	3	<ul style="list-style-type: none"> <li>• construct and configure access lists.</li> </ul>
CISN 306 Advanced Network Systems Administration (3) .....	3	<ul style="list-style-type: none"> <li>• compare and contrast types of network media.</li> </ul>
CISN 307 Windows Active Directory Services.....	3	<ul style="list-style-type: none"> <li>• demonstrate working knowledge of principles in computer networking and data management, information systems security, or web server administration, depending on the electives chosen.</li> </ul>
CISN 308 Internetworking with TCP/IP .....	3	<ul style="list-style-type: none"> <li>• demonstrate competency in Windows operating system terminology and commands, account management, and file management and storage.</li> </ul>
CISS 310 Network Security Fundamentals (3) .....	3	
or CISS 315 Ethical Hacking (3)		
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 303 Network Administration – Linux Server (3)		
CISN 304 Networking Technologies (3)		
CISN 315 Advanced Network Administration – Linux Server (3)		
CISN 320 Designing Windows Directory Services (3)		
CISN 340 CISCO Networking Academy (CCNA)tm: Data Communication and Networking (3.5)		
CISN 341 CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies (3.5)		
CISN 346 Network Design and Projects (3.5)		
CISN 374 Messaging Server Administration (3)		
CISS 315 Ethical Hacking (3)		
CISS 310 Network Security Fundamentals (3)		
CISS 320 Implementing Network Security and Counter Measures (3)		
CISS 321 Scripting for Cyber Security (3)		
CISS 327 Cisco Networking Academy™: CCNA Security: Implementing Network Security (3.5)		
CISS 330 Implementing Internet Security and Firewalls (3)		
CISS 350 Disaster Recovery (3)		
CISS 360 Computer Forensics and Investigation (3)		
<b>Total Units Required</b>	<b>29</b>	
<b>Suggested Electives</b>		
BUS 310, ENGWR 300, 488; STAT 300, 480		
<b>Associate in Science (A.S.) Degree</b>		
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.		
<b>Certificate of Achievement</b>		
The Certificate of Achievement may be obtained by completion of the required program with grades of "C" or better.		
<b>PC Support</b>		
<b>Certificate of Achievement</b>		
<b>Program Information</b>		
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.		
<b>Career Opportunities</b>		
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.		

**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.

<b>Required Program</b>	<b>Units</b>
BUS 310 Business Communications (3).....	3 – 4
or ENGWR 300 College Composition (3)	
or ENGWR 488 Honors College Composition and Research (4)	
or ESLW 340 Advanced Composition (4)	
CISA 305 Beginning Word Processing .....	2
CISA 315 Introduction to Electronic Spreadsheets .....	2
CISA 323 Database Management using Microsoft Access.....	2
CISA 340 Presentation Graphics.....	2
CISC 305 Introduction to the Internet .....	1
CISC 310 Introduction to Computer Information Science.....	3
CISC 320 Operating Systems.....	1
CISC 351 Introduction to Local Area Networks.....	1
CISC 355 Introduction to Data Communications .....	1.5
CISC 360 Information & Communication Technology Essentials (A+).4	
CISS 300 Introduction to Information Systems Security (1).....	1 – 3
or CISS 315 Ethical Hacking (3)	
<b>Total Units Required</b>	<b>23.5 – 26.5</b>

**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**

Students earning a Programming Certificate of Achievement are qualified to pursue entry level positions as software designers and engineers, systems analysts, and software testers.

**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.

<b>Required Program</b>	<b>Units</b>
BUS 310 Business Communications (3).....	3 – 4
or ENGWR 300 College Composition (3)	
or ENGWR 488 Honors College Composition and Research (4)	
CISP 301 Algorithm Design and Implementation.....	4
CISP 360 Introduction to Structured Programming .....	4
CISP 400 Object Oriented Programming with C++ (4).....	4
or CISP 401 Object Oriented Programming with Java (4)	
CISP 430 Data Structures.....	4
CISP 457 Introduction to Systems Analysis and Design.....	3
<b>Total Units Required</b>	<b>22 – 23</b>

**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 website structure and interactivity. The Web Developer degree requires students design, code, and implement HTML, CSS, and other languages for creating websites to implement database tools and custom applications for the Web. Students will design, code, and test interactive websites with emphasis on learning mark-up, programming and scripting languages for interactivity and connectivity to data on the Web.

**Career Opportunities**

Career Opportunities include employment as a Web Developer, Webmaster, Systems Analyst, Web Systems Analyst, IT Analyst, ICT Analyst, Web Database Administrator, Front-end Web Developer, and Web Programmer.

**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 website hosted on a Web server.
- utilize multiple programs simultaneously in order to develop websites.
- recommend a Web scripting language, current markup language or Web authoring software, and cascading style sheets to develop complex websites that are uploaded via File Transfer Protocol (FTP) to a Web server.
- research and implement current, valid World Wide Web Consortium (W3C) standards, including W3C Accessibility Standards.
- plan a structured approach to website development that identifies the information dissemination needs of a client and organizes the content effectively and efficiently in order to communicate to an identified audience; then develop and implement an appropriate Web solution.
- utilize client-side scripting in order to manipulate interactive objects like navigation bars, forms, rollovers, other event handling, and the control of windows, frames, and layers.
- develop Web solutions that include form validation and processing, server-side programming with hypertext-preprocessor (PHP), and database-driven Web development.

- demonstrate proficiency in the process of Web project management on a real-world website including design specification, research, production, modification, time estimation, and presentation.
- design, implement, manage, and evaluate data management systems involving custom programming to solve complex business problems.
- estimate the hours needed or cost to develop and deliver the solution to a complex business problem.
- construct code in a currently used Web scripting language.
- demonstrate an understanding of the current technologies and processes of interactive design, motion graphics, and website development.
- describe the relationship between user-centered design concepts, user interface (UI) design, user experience (UX) design, and usability testing.

**Required Program**

	<b>Units</b>
CISA 323 Database Management using Microsoft Access.....	2
CISA 324 Intermediate Database Management using Access.....	2
CISC 310 Introduction to Computer Information Science.....	3
CISC 323 Linux Operating System .....	1
CISC 324 Intermediate Linux Operating System .....	1
CISP 301 Algorithm Design and Implementation.....	4
CISP 350 Database Programming .....	3
CISW 306 Introduction to Web Page Creation and Web Accessibility .....	2 <sup>1</sup>
CISW 327 Introduction to Web Development coding HTML and CSS .....	4 <sup>2</sup>
CISW 400 Client-side Web Scripting .....	4
CISW 410 Middleware Web Scripting.....	4
DDSN 331 Digital Imaging I.....	3
DDSN 360 User Interface Design .....	3
A minimum of 3 units from the following:.....	3 <sup>3</sup>
CISW 498 Work Experience in Computer Information Science – Web (1 – 4)	
<b>Total Units Required</b>	<b>39</b>

<sup>1</sup> CISC 306 AND CISW 370 may be substituted for this course.

<sup>2</sup> CISW 320 AND CISW 304 may be substituted for this course.

<sup>3</sup> Students who previously completed CISW470 may request a course substitution for this course if a comprehensive development project can be presented to illustrate expected competencies of this program.

**Suggested Electives**

BUS 300, 310, 330; ENGWR 300, 301; MATH 400, 401, 420

**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.

**Web Production Specialist****Certificate of Achievement****Program Information**

This certificate prepares students with foundation skills needed to explore a multitude of careers in front-end Web development. The Web Production Specialist certificate requires students learn to code HTML and CSS and use Web creation and image editing tools to design, code, edit, and test websites. Fundamental concepts of using a Content Management System will also be introduced.

**Career Opportunities**

Students completing this program will have skills needed for entry-level positions for building and editing pages for the Web. Students will be able to: build a personal website for a client, create and edit blogs, setup for a simple site using a content management system such as WordPress, and have technical skills that will support small business or other entities for entry-level positions in Web page editing and development.

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

- develop multi-page websites communicating a specific message while following language specifications and syntax requirements as recommended by the World Wide Web Consortium (W3C).
- learn to code HTML (Hypertext Markup Language), HTML5, XHMTL (Extensible HyperText Markup Language), and CSS (Cascading Style Sheets) using open-source software and Web developer tools to manage files and other assets on a website.
- use images, graphics and multi-media following standard practices as outlined in the W3C Recommended Standards, including W3C Accessibility Standards.
- learn principles for using a Content Management System (CMS), such as WordPress, for creating and editing Web pages.
- examine technical recommendations for using markup and style sheet languages, following recommendations of the W3C Accessibility Standards.
- demonstrate an understanding of visual hierarchy and scale through successful completion of a comprehensive final project.
- conceive and design effective site maps, wireframes, navigation, user interfaces, and prototypes.
- describe the relationship between user-centered design concepts, user interface (UI) design, user experience (UX) design, and usability testing.
- demonstrate the use of current technologies and processes of user interface and responsive website design.

**Required Program**

	<b>Units</b>
CISC 305 Introduction to the Internet .....	1
CISC 310 Introduction to Computer Information Science .....	3
CISC 323 Linux Operating System .....	1
CISC 324 Intermediate Linux Operating System .....	1
DDSN 331 Digital Imaging I.....	3
DDSN 360 User Interface Design .....	3
CISW 306 Introduction to Web Page Creation and Web Accessibility .....	2 <sup>1</sup>
CISW 327 Introduction to Web Development coding HTML and CSS .....	4 <sup>2</sup>
<b>Total Units Required</b>	<b>18</b>

<sup>1</sup> CISC 306 AND CISW 370 may be substituted for this course.

<sup>2</sup> CISW 320 AND CISW 304 may be substituted for this course.

**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 305 Beginning Word Processing 2 Units**

*Prerequisite: CISC 300 or 310 with a grade of "C" or better*

*Advisory: BUS 107 with a grade of "P" or ability to touch type at 28 wpm.*

*Course Transferable to CSU*

*Hours: 27 hours LEC; 27 hours LAB*

The course introduces the student, through hands-on activities, to the use of word processing on microcomputers. The course includes basic word processing operations such as terminology and screen formats, dialog boxes, text editing, text formatting, text enhancements, sorting, tables, merging functions, saving and retrieving, and printing text.

### **CISA 306 Intermediate Word Processing 2 Units**

*Prerequisite: CISA 305 with a grade of "C" or better; completed within five years prior to enrollment in CISA 306.*

*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.

### **CISA 315 Introduction to Electronic Spreadsheets 2 Units**

*Prerequisite: None.*

*Advisory: CISC 300 or 310 with a grade of "C" or better; BUS 107 with a grade of "P" or ability to touch type at 28 wpm.*

*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; completed within five years prior to enrollment in CISA 316.*

*Course Transferable to CSU*

*Hours: 27 hours LEC; 27 hours LAB*

This course introduces students to the intermediate features of spreadsheet programs. The course covers macros, data tables and lookup functions, logical expressions as well as advanced file operations, functions, and convenience commands. Students will follow spreadsheet templates and design their own sheets.

### **CISA 323 Database Management using Microsoft Access 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. Topics include database objects, data types, data integrity, relational tables, complex queries, forms, reports, sharing data with other Windows applications, and data maintenance. Students who have completed both CISA 320 and CISA 321 may not receive credit for this course.

### **CISA 324 Intermediate Database Management using Access 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. 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: CISC 300 or 310 with a grade of "C" or better; BUS 107 with a grade of "C" or better or the ability to touch type at 28 wpm.*

*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*

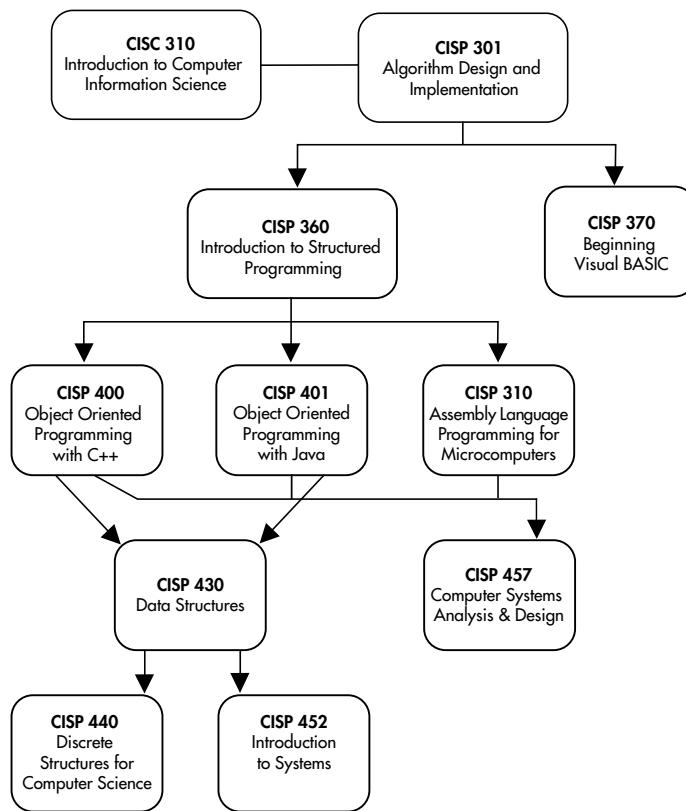
*See Experimental Offering*

## Computer Info Science – Core (CISC)

<b>CISC 295</b>	<b>Independent Studies in Computer Information Science – Core</b>	<b>1-3 Units</b>	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)
	<i>Prerequisite: None.</i> <i>Hours: 162 hours LAB</i> 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.		
<b>CISC 299</b>	<b>Experimental Offering in Computer Information Science – Core</b>	<b>.5-4 Units</b>	<b>CISC 320</b> <b>Operating Systems</b> <b>1 Unit</b>
	<i>Prerequisite: None</i> <i>Hours: 72 hours LEC</i> See Experimental Offerings		<i>Prerequisite: None.</i> <i>Advisory: CISC 300 or CISC 310 with a grade of "C" or better.</i> <i>Course Transferable to CSU</i> <i>Hours: 9 hours LEC; 27 hours LAB</i> This course introduces the microcomputer operating system. Topics include basic features, file and program management, disk management commands, and menus.
<b>CISC 300</b>	<b>Computer Familiarization</b>	<b>1 Unit</b>	<b>CISC 323</b> <b>Linux Operating System</b> <b>1 Unit</b>
	<i>Prerequisite: None.</i> <i>Advisory: BUS 107 with a grade of "P" or ability to touch type at 28 wpm.</i> <i>Course Transferable to CSU</i> <i>Hours: 18 hours LEC</i> This course acquaints students with how computers are used in the home and in business functions. The course emphasizes microcomputers, how they work, how they can be used, and the terminology of the computer world. Microcomputer applications using the Windows environment are presented with hands-on homework assignments. This course does not serve as a prerequisite to computer science programming courses but does serve as a prerequisite and advisory for Computer Information Science application courses. The course is specially designed for students wanting a very general, non-technical, introductory course in computers.		<i>Prerequisite: None.</i> <i>Advisory: CISC 300 with a grade of "C" or better and ability to touch type.</i> <i>Course Transferable to CSU</i> <i>Hours: 9 hours LEC; 27 hours LAB</i> 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.
<b>CISC 305</b>	<b>Introduction to the Internet</b>	<b>1 Unit</b>	<b>CISC 324</b> <b>Intermediate Linux Operating System</b> <b>1 Unit</b>
	<i>Prerequisite: CISC 300, 310, or 320 with a grade of "C" or better</i> <i>Course Transferable to CSU</i> <i>Hours: 18 hours LEC</i> This course explains how the Internet works and how to effectively use basic internet services. Topics include browser basics, search engines and search techniques, e-mail, the World Wide Web (WWW), internet security, internet resources, the Cloud, social networking, and building basic Web pages using Hypertext Markup Language (HTML). The course includes the review of laws that guide the use of the Internet and intellectual property on the Web. Other topics include Internet protocols, news groups, discussion lists, connecting to a remote server, (S)FTP (Secure File Transfer Protocol), and current emerging technologies.		<i>Prerequisite: CISC 323 with a grade of "C" or better</i> <i>Course Transferable to CSU</i> <i>Hours: 9 hours LEC; 27 hours LAB</i> 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.
<b>CISC 310</b>	<b>Introduction to Computer Information Science</b>	<b>3 Units</b>	<b>CISC 351</b> <b>Introduction to Local Area Networks</b> <b>1 Unit</b>
	<i>Prerequisite: None.</i> <i>Advisory: CISC 300 with a grade of "C" or better</i> <i>General Education: AA/AS Area II(b)</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i> This course examines information systems and their role in business, with a focus on productivity softwares, networking, e-commerce, ethics, security, and system infrastructure. Students will apply these concepts and related methods through hands-on projects to develop		<i>Prerequisite: None.</i> <i>Advisory: CISC 320 and CISC 355 with grades of "C" or better</i> <i>Course Transferable to CSU</i> <i>Hours: 9 hours LEC; 27 hours LAB</i> 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.
<b>CISC 355</b>	<b>Introduction to Data Communications</b>	<b>1.5 Units</b>	
			<i>Prerequisite: None.</i> <i>Advisory: CISC 300 or CISC 320 with a grade of "C" or better</i> <i>Course Transferable to CSU</i> <i>Hours: 27 hours LEC</i> 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.

<b>CISC 360</b>	<b>Information &amp; Communication Technology Essentials (A+)</b>	<b>4 Units</b>	<b>CISC 499</b>	<b>Experimental Offering in Computer Information Science – Core</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None</i>		
<i>Advisory: CISC 310, 320, and 351 with grades of "C" or better</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 54 hours LEC; 36 hours LAB</i>		
<i>Hours: 54 hours LEC; 54 hours LAB</i>			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.		
<b>CISC 362</b>	<b>Microcomputer and Applications Support</b>	<b>2 Units</b>	<b>Computer Info Science – Network (CISN)</b>		
<i>Prerequisite: None.</i>					
<i>Advisory: CISA 305, CISA 315, and CISC 320 with grades of "C" or better</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 27 hours LEC; 27 hours LAB</i>					
This course is an in-depth investigation of the technical, business, soft, and self-management skills technicians need to provide effective customer service and support in an information technology (IT) environment. Customer service and problem solving skills needed for success in a small or large business environment are introduced.					
<b>CISC 495</b>	<b>Independent Studies in Computer Information Science – Core</b>	<b>1-3 Units</b>	<b>CISN 299</b>	<b>Experimental Offering in Computer Information Science – Network</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 72 hours LEC</i>		
<i>Hours: 162 hours LAB</i>			See Experimental Offerings		
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.					
<b>CISC 498</b>	<b>Work Experience in Computer Information Science – Core</b>	<b>1-4 Units</b>	<b>CISN 300</b>	<b>Network Systems Administration</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Advisory: CISC 320 (Windows or Linux) with a grade of "C" or better.</i>		
<i>Hours: 18 hours LEC; 300 hours LAB</i>			<i>General Education: AA/AS Area II(b)</i>		
This course provides students with opportunities to develop marketable CIS skills in preparation for employment or advancement within their current jobs. Course content includes understanding the application of education to the workforce; completion of required forms, which document the student's progress and hours spent at the work site; and developing workplace skills and competencies. During the course of the semester, the student is required to complete an 18 hour orientation and 75 hours of related paid work experience or 60 hours of unpaid work experience for one unit. An additional 75 or 60 hours of related work experience is required for each additional unit. The course may be taken up to 3 times when there is new or expanded learning on the job for a maximum of 3 units. Only one Work Experience course may be taken per semester.			<i>Course Transferable to CSU</i>		
			<i>Hours: 45 hours LEC; 27 hours LAB</i>		
			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.		
			<b>CISN 302</b>	<b>Intermediate Network Systems Administration</b>	<b>3 Units</b>
			<i>Prerequisite: CISN 300 with a grade of "C" or better</i>		
			<i>General Education: AA/AS Area II(b)</i>		
			<i>Course Transferable to CSU</i>		
			<i>Hours: 45 hours LEC; 27 hours LAB</i>		
			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.		

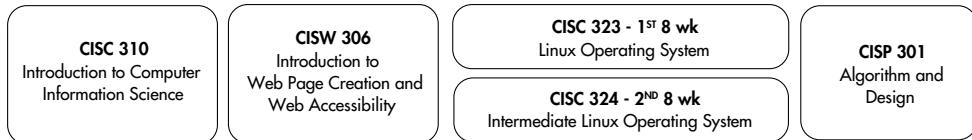
## Computer Information Science – Sequence of Modern Programming Language Courses



- CIS and MIS majors should enroll in both CISC 310 and CISP 301 at the same time.
- Transfer students should check with their counselor for degree requirements.

## Computer Information Science – Sequence of Web Courses

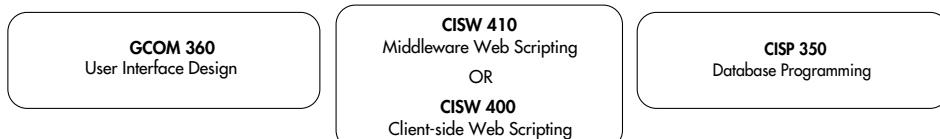
### Semester 1



### Semester 2



### Semester 3



### Semester 4



<b>CISN 303</b>	<b>Network Administration – Linux Server</b>	<b>3 Units</b>	<b>CISN 308</b>	<b>Internetworking with TCP/IP</b>	<b>3 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> CISN 300 with a grade of "C" or better		
<i>Advisory:</i> CISC 323 with a grade of "C" or better			<i>General Education:</i> AA/AS Area II(b)		
<i>General Education:</i> AA/AS Area II(b)			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 45 hours LEC; 27 hours LAB		
<i>Hours:</i> 45 hours LEC; 27 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.		
<b>CISN 304</b>	<b>Networking Technologies</b>	<b>3 Units</b>	<b>CISN 315</b>	<b>Advanced Network Administration – Linux Server</b>	<b>3 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> CISN 303 with a grade of "C" or better		
<i>Advisory:</i> CISC 320 with a grade of "C" or better; CISC 355 with a grade of "C" or better			<i>General Education:</i> AA/AS Area II(b)		
<i>General Education:</i> AA/AS Area II(b)			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 45 hours LEC; 27 hours LAB		
<i>Hours:</i> 45 hours LEC; 27 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.		
<b>CISN 306</b>	<b>Advanced Network Systems Administration</b>	<b>3 Units</b>	<b>CISN 316</b>	<b>Virtualization Concepts and Technologies</b>	<b>3.5 Units</b>
<i>Prerequisite:</i> CISN 300 with a grade of "C" or better			<i>Prerequisite:</i> CISN 300 or 340 with a grade of "C" or better		
<i>General Education:</i> AA/AS Area II(b)			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 54 hours LEC; 27 hours LAB		
<i>Hours:</i> 45 hours LEC; 27 hours LAB			This course covers the knowledge and skills necessary to understand and implement Virtualization environments. The core concepts of creating and managing virtual machines, network servers, and network design are presented. The benefits associated with virtualization such as fault tolerance and high availability will also be covered.		
<b>CISN 307</b>	<b>Windows Active Directory Services</b>	<b>3 Units</b>	<b>CISN 320</b>	<b>Designing Windows Directory Services</b>	<b>3 Units</b>
<i>Prerequisite:</i> CISC 320 with a grade of "C" or better			<i>Prerequisite:</i> CISN 307 with a grade of "C" or better		
<i>Course Transferable to CSU</i>			<i>General Education:</i> AA/AS Area II(b)		
<i>Hours:</i> 45 hours LEC; 27 hours LAB			<i>Course Transferable to CSU</i>		
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.			<i>Hours:</i> 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.					

<b>CISN 327</b>	<b>Cloud Infrastructure and Services</b>	<b>3.5 Units</b>	<b>CISN 342</b>	<b>CISCO Networking Academy (CCNA)<sup>tm</sup>: Advanced Routing and Switching</b>	<b>3.5 Units</b>
<p><i>Prerequisite: CISN 300 or 340 with a grade of "C" or better</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC; 27 hours LAB</i></p> <p>This course covers cloud deployment and service models, cloud infrastructure, and the key considerations in migrating to cloud computing. This course also provides the required technology essentials across all domains; including server, storage, networking, applications, and databases to help develop a strong understanding of virtualization and cloud computing technologies.</p>					
<b>CISN 336</b>	<b>Wireless Technologies</b>	<b>3 Units</b>	<b>CISN 343</b>	<b>CISCO Networking Academy (CCNA)<sup>tm</sup>: Wide Area Network and Project-Based</b>	<b>3.5 Units</b>
<p><i>Prerequisite: CISN 341 with a grade of "C" or better</i></p> <p><i>General Education: AA/AS Area II(b)</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 45 hours LEC; 27 hours LAB</i></p> <p>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.</p>					
<b>CISN 340</b>	<b>CISCO Networking Academy (CCNA)<sup>tm</sup>: Data Communication and Networking</b>	<b>3.5 Units</b>	<b>CISN 346</b>	<b>Network Design and Projects</b>	<b>3.5 Units</b>
<p><i>Prerequisite: None.</i></p> <p><i>Advisory: CISC 300 or CISC 310, and CISC 320 with grades of "C" or better.</i></p> <p><i>General Education: AA/AS Area II(b)</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC; 27 hours LAB</i></p> <p>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). (C-ID ITIS 150)</p>					
<b>CISN 341</b>	<b>CISCO Networking Academy (CCNA)<sup>tm</sup>: Networking Theory and Routing Technologies</b>	<b>3.5 Units</b>	<b>CISN 350</b>	<b>CISCO Networking Academy (CCNP)<sup>tm</sup>: Advanced Router Configuration</b>	<b>3.5 Units</b>
<p><i>Prerequisite: CISN 340 with a grade of "C" or better</i></p> <p><i>General Education: AA/AS Area II(b)</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC; 27 hours LAB</i></p> <p>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 mask. SCC is a certified CISCO Networking Academy, and all courses are taught by CISCO Certified Academy Instructors (CCAI).</p>					

<b>CISN 351</b>	<b>CISCO Networking Academy (CCNP)<sup>tm</sup>: Remote Access</b>	<b>3 Units</b>	<b>CISN 378</b>	<b>Database Administration for Microsoft SQL Server</b>	<b>3 Units</b>
<i>Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification</i>			<i>Prerequisite: CISN 300 with a grade of "C" or better</i>	<i>General Education: AA/AS Area II(b)</i>	
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 45 hours LEC; 27 hours LAB</i>			<i>Hours: 45 hours LEC; 27 hours LAB</i>		
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.			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.		
<b>CISN 352</b>	<b>CISCO Networking Academy 3.5 Units (CCNP)<sup>tm</sup>: Multi-Layer Switching</b>		<b>CISN 499</b>	<b>Experimental Offering in Computer Information Science – Network</b>	<b>.5-4 Units</b>
<i>Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification</i>			<i>Prerequisite: None</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC; 27 hours LAB</i>			<i>Hours: 72 hours LEC</i>		
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.			<i>See Experimental Offerings</i>		
<b>CISN 353</b>	<b>CISCO Networking Academy 3.5 Units (CCNP)<sup>tm</sup>: Internetwork Troubleshooting</b>				
<i>Prerequisite: CISN 343 with a grade of "C" or better or valid CISCO Certified Network Associate (CCNA) certification</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 54 hours LEC; 27 hours LAB</i>					
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.					
<b>CISN 374</b>	<b>Messaging Server Administration 3 Units</b>		<b>CISP 301</b>	<b>Algorithm Design and Implementation</b>	<b>4 Units</b>
<i>Prerequisite: CISN 300 with a grade of "C" or better.</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>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.</i>		
<i>Hours: 45 hours LEC; 27 hours LAB</i>			<i>General Education: AA/AS Area II(b)</i>		
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.			<i>Course Transferable to CSU</i>		
			<i>Hours: 54 hours LEC; 54 hours LAB</i>		
			This course provides an introduction to the analysis, design, and implementation of software solutions to simple problems using console input and output. Students develop and implement standard algorithms for performing such things as a bubble sort, a linear search of an array, and data validation. Other programming topics covered include file input/output and functions. Additional topics covered include converting numbers between numbering systems, binary addition, and binary subtraction.		

## Computer Information Science – Programming (CISP)

<b>CISP 301</b>	<b>Algorithm Design and Implementation</b>	<b>4 Units</b>
<i>Prerequisite: None.</i>		
<i>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.</i>		
<i>General Education: AA/AS Area II(b)</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC; 54 hours LAB</i>		
This course provides an introduction to the analysis, design, and implementation of software solutions to simple problems using console input and output. Students develop and implement standard algorithms for performing such things as a bubble sort, a linear search of an array, and data validation. Other programming topics covered include file input/output and functions. Additional topics covered include converting numbers between numbering systems, binary addition, and binary subtraction.		
<b>CISP 310</b>	<b>Assembly Language Programming for Microcomputers</b>	<b>4 Units</b>
<i>Prerequisite: CISP 301 and 360 with grades of "C" or better</i>		
<i>General Education: AA/AS Area II(b)</i>		
<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC; 54 hours LAB</i>		
This is an introductory course in assembly language for the Intel family of microprocessors. Students will write and debug programs that use control structures, subprocedures, bit operations, arrays, and interrupts. Upon completion of the course, students will have an increased understanding of the internal operations of computers. (C-ID COMP 142)		

<b>CISP 320      COBOL Programming</b>	<b>4 Units</b>	<b>CISP 362      Programming for Mobile Devices I</b>	<b>4 Units</b>
<i>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</i>		<i>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</i>	
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.		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.	
<b>CISP 350      Database Programming</b>	<b>3 Units</b>	<b>CISP 400      Object Oriented Programming with C++</b>	<b>4 Units</b>
<i>Prerequisite: CISA 323 or CISP 301 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: 54 hours LEC</i>		<i>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</i>	
This is an introductory course in database programming. Topics include data modeling and database normalization. Structured Query Language (SQL) and Procedural Language (PL)/SQL will be used to design, develop, and deploy beautiful, responsive, database-driven web applications.		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)	
<b>CISP 357      Introduction to Big Data</b>	<b>4 Units</b>	<b>CISP 401      Object Oriented Programming with Java</b>	<b>4 Units</b>
<i>Prerequisite: CISP 301 with a grade of "C" or better Advisory: BUS 310 with a grade of "C" or better Course Transferable to CSU Hours: 54 hours LEC; 54 hours LAB</i>		<i>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</i>	
This is an introductory course covering important terminology, concepts, and computer languages commonly used in big data analytics and data science. Specific topics include converting raw data to data sets, importing and exporting data, and data set reconstruction.		This course is an introduction to Object Oriented Programming using the Java language. The student will learn how to design and implement object oriented applications. Topics will include: objects, classes, Unified Modeling Language, function overloading, inheritance, static and dynamic class relationships, polymorphism, components, event driven programming, class associations, testing and debugging.	
<b>CISP 358      Data Analysis</b>	<b>4 Units</b>	<b>CISP 430      Data Structures</b>	<b>4 Units</b>
<i>Prerequisite: CISP 357 with a grade of "C" or better. Course Transferable to CSU Hours: 54 hours LEC; 54 hours LAB</i>		<i>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</i>	
This course covers statistical modeling, analysis of variance, regression, and categorical data analysis. Students will explore and summarize data, apply multiple comparison techniques in ANOVA, use chi-square statistics to detect associations among categorical variables, and fit multiple logistic regression models. Emphasis is on fitting models, verifying the model assumptions, and using alternative analysis strategies when necessary.		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. (C-ID COMP 132)	
<b>CISP 359      Big Data Analytics</b>	<b>4 Units</b>	<b>CISP 440      Discrete Structures for Computer Science</b>	<b>3 Units</b>
<i>Prerequisite: CISP 357 with a grade of "C" or better Course Transferable to CSU Hours: 54 hours LEC; 54 hours LAB</i>		<i>Prerequisite: CISP 400 or 401 with a grade of "C" or better; MATH 370 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</i>	
This course covers techniques for predicting outcomes with supervised machine learning, unearthing patterns in customer behavior, and analyzing structured, unstructured, and big data.		This course introduces the essential discrete structures used in computer science with emphasis on their applications. Topics to be covered include: elementary formal logic and set theory, elementary combinatorics, recursive programming, algorithm analysis, digital logic, combinatorial circuits, and computer arithmetic. Computer programming assignments will be included. (C-ID COMP 152)	
<b>CISP 360      Introduction to Structured Programming</b>	<b>4 Units</b>		
<i>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</i>			
This course is an introduction to structured programming and objects. Topics include program design, documentation, testing, and debugging as well as use of variables and constants, operators, control structures, functions, standard libraries, pointers, arrays, and input/output (including file I/O), classes, and objects. (C-ID COMP 112)			

<b>CISP 452</b>	<b>Introduction to Systems Programming</b>	<b>3 Units</b>	<b>CISS 310</b>	<b>Network Security Fundamentals</b>	<b>3 Units</b>
<i>Prerequisite:</i> CISP 430 with a grade of "C" or better <i>General Education:</i> AA/AS Area II(b) <i>Course Transferable to UC/CSU</i> <i>Hours:</i> 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.		<i>Prerequisite:</i> None. <i>Advisory:</i> CISN 300, 303, and 340 with grades of "C" or better <i>Course Transferable to CSU</i> <i>Hours:</i> 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.	
<b>CISP 457</b>	<b>Introduction to Systems Analysis and Design</b>	<b>3 Units</b>	<b>CISS 315</b>	<b>Ethical Hacking</b>	<b>3 Units</b>
<i>Prerequisite:</i> CISA 323 and CISC 310 with grades of "C" or better; and any one of the following: CISP 320, CISP 360, CISP 370, CISP 400, or CISP 401 with grade of "C" or better. <i>Course Transferable to CSU</i> <i>Hours:</i> 54 hours LEC	The course presents a systematic methodology for analyzing a business problem or opportunity. Students will determine what role, if any, computer-based technologies can play in addressing the business need. Students will also learn how to articulate business requirements for the technology solution and how to specify alternative approaches to acquiring the technology capabilities needed to address the business requirements. Most importantly students will learn how to specify the requirements for the information systems solution among in-house development, development by third-party providers, or purchase commercial-off-the-shelf packages.		<i>Prerequisite:</i> None. <i>Advisory:</i> CISC 320 or CISS 300 with a grade of "C" or better <i>Course Transferable to CSU</i> <i>Hours:</i> 45 hours LEC; 27 hours LAB	This course introduces the network security specialist to the various methodologies for attacking a network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course will emphasize network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students will receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students will experience a hands-on practical approach to penetration testing measures and ethical hacking. Formerly known as CISS 301.	
<b>CISP 499</b>	<b>Experimental Offering in Computer Information Science-Programming</b>	<b>.5-4 Units</b>	<b>CISS 320</b>	<b>Implementing Network Security and Counter Measures</b>	<b>3 Units</b>
<i>Prerequisite:</i> None <i>Course Transferable to UC/CSU</i> <i>Hours:</i> 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..		<i>Prerequisite:</i> CISS 310 with a grade of "C" or better <i>Course Transferable to CSU</i> <i>Hours:</i> 45 hours LEC; 27 hours LAB	In this course, students will learn how to evaluate, implement, and manage security technologies in order to prevent systems from attack. Topics include risk analysis, choosing and setting up Virtual Private Networks and Intrusion Detection systems.	
<b>Computer Information Science – Security (CISS)</b>					
<b>CISS 300</b>	<b>Introduction to Information Systems Security</b>	<b>1 Unit</b>	<b>CISS 321</b>	<b>Scripting for Cyber Security</b>	<b>3 Units</b>
<i>Prerequisite:</i> None. <i>Course Transferable to CSU</i> <i>Hours:</i> 18 hours LEC	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.		<i>Prerequisite:</i> CISN 340, CISS 310, or CISS 315 with a grade of "C" or better <i>General Education:</i> AA/AS Area II(b) <i>Course Transferable to CSU</i> <i>Hours:</i> 45 hours LEC; 27 hours LAB	This course is designed to cover tools that are commonly used by Information Security Professionals. Modern Operating Systems and scripting languages will be discussed as well as utilities and technologies that enable them. Topics including securing, hardening systems, incident response, automating tasks, auditing, and vulnerability assessment will be covered.	

<b>CISS 327</b>	<b>Cisco Networking Academy™: CCNA Security: Implementing Network Security</b>	<b>3.5 Units</b>	<b>CISS 356</b>	<b>Introduction to Information Assurance</b>	<b>3 Units</b>
	<i>Prerequisite: CISN 340 and 341 with grades of "C" or better</i>			<i>Prerequisite: None.</i>	
	<i>Advisory: CISS 310 with a grade of "C" or better</i>			<i>Advisory: CISC 320 or CISS 300 with a grade of "C" or better</i>	
	<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	
	<i>Hours: 54 hours LEC; 27 hours LAB</i>			<i>Hours: 45 hours LEC; 27 hours LAB</i>	
	This course provides the theoretical understanding of network security and the hands-on skills to implement and support network security. Topics include Cisco switch and router security, Authentication, Authorization, and Accounting (AAA), Access Control Lists (ACLs), Firewalls, Intrusion Prevention System (IPS), and Virtual Private Networks (VPNs). Additionally, the Cisco Adaptive Security Appliance (ASA) and Adaptive Security Device Manager (ASDM) are covered. Sacramento City College is a certified Cisco Networking Academy, and this course prepares students for the Cisco CCNA Security certification exam.			This course introduces the network security specialist to the various methodologies for attacking a network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course will emphasize network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students will receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students will experience a hands-on practical approach to penetration testing measures and ethical hacking.	
<b>CISS 330</b>	<b>Implementing Internet Security and Firewalls</b>	<b>3 Units</b>	<b>CISS 360</b>	<b>Computer Forensics and Investigation</b>	<b>3 Units</b>
	<i>Prerequisite: CISS 310 with a grade of "C" or better</i>			<i>Prerequisite: CISS 310 or 315 with a grade of "C" or better</i>	
	<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	
	<i>Hours: 45 hours LEC; 27 hours LAB</i>			<i>Hours: 45 hours LEC; 27 hours LAB</i>	
	The firewall has emerged as a primary tool used to prevent unauthorized access. Students will learn how to allow access to key services while maintaining an organization's security, as well as how to implement firewall-to-firewall Virtual Private Networks (VPNs).			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.	
<b>CISS 341</b>	<b>Implementing Windows Operating System Security</b>	<b>3 Units</b>			
	<i>Prerequisite: None.</i>				
	<i>Advisory: CISC 320 and CISS 310; with grades of "C" or better</i>				
	<i>Course Transferable to CSU</i>				
	<i>Hours: 45 hours LEC; 27 hours LAB</i>				
	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.				
<b>CISS 342</b>	<b>Implementing Linux Operating System Security</b>	<b>3 Units</b>	<b>CISW 299</b>	<b>Experimental Offering in Computer Information Science – Web</b>	<b>.5-4 Units</b>
	<i>Prerequisite: None.</i>			<i>Prerequisite: None</i>	
	<i>Advisory: CISC 323 and CISS 310 with grades of "C" or better</i>			<i>Hours: 72 hours LEC</i>	
	<i>Course Transferable to CSU</i>			<i>See Experimental Offerings</i>	
	<i>Hours: 45 hours LEC; 27 hours LAB</i>				
	This course provides the knowledge and skills needed 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.				
<b>CISS 350</b>	<b>Disaster Recovery</b>	<b>3 Units</b>			
	<i>Prerequisite: None.</i>				
	<i>Advisory: CISS 310 with a grade of "C" or better</i>				
	<i>Course Transferable to CSU</i>				
	<i>Hours: 54 hours LEC</i>				
	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.				

## Computer Info Science – Web (CISW)

<b>CISW 299</b>	<b>Experimental Offering in Computer Information Science – Web</b>	<b>.5-4 Units</b>
	<i>Prerequisite: None</i>	

*Hours: 72 hours LEC  
See Experimental Offerings*

<b>CISW 306</b>	<b>Introduction to Web Page Creation and Web Accessibility</b>	<b>2 Units</b>	<b>CISW 410</b>	<b>Middleware Web Scripting</b>	<b>4 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> CISW 320 with a grade of "C" or better, or equivalent experience hand-coding Web pages; AND CISP 301 with a grade of "C" or better or equivalent programming experience		
<i>Advisory:</i> CISC 305 or 310 with a grade of "C" or better			<i>General Education:</i> AA/AS Area II(b)		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours:</i> 27 hours LEC; 27 hours LAB			<i>Hours:</i> 54 hours LEC; 54 hours LAB		
This course introduces foundation concepts of coding HTML, CSS, and using a content management system for the production of Web pages. Web page creation will include formatting, layout, construction, and presentation. The current version of markup language will be introduced, as identified by the World Wide Web Consortium (W3C). This course also introduces methods used to design accessible websites for people with disabilities. Students will design and develop pages accessible to people with disabilities, in accordance with the W3C Accessibility Standards. This includes understanding how to perceive, understand, navigate, and interact with the Web. This course explores software tools to assist visual, auditory, physical, speech, cognitive, and neurological disabilities, and has students experience using pages on the Web using software or open-source tools to illustrate various tools used to view Web pages for accessibility. Current legal requirements for accessible websites, including the Americans with Disabilities Act (ADA) and Section 508, are emphasized and implemented in project work produced in this course. Students who have successfully completed CISC 306 and CISW 370 are not eligible to take this course.			This course emphasizes server-side software development skills used to create interactive, data-driven websites and Web applications with a middleware scripting language or framework such as PHP, <a href="#">ASP.NET</a> , or Django. Topics include core language features and common design patterns, use of the HTTP and CGI protocols to send and receive data, form validation, cookies and sessions, and database interaction.		
<b>CISW 327</b>	<b>Introduction to Web Development coding HTML and CSS</b>	<b>4 Units</b>	<b>CISW 498</b>	<b>Work Experience in Computer Information Science – Web</b>	<b>1-4 Units</b>
<i>Prerequisite:</i> CISC 310 with a grade of "C" or better			<i>Prerequisite:</i> CISW 327 and either CISW 400 or CISW 410 with grades of "C" or better.		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours:</i> 54 hours LEC; 54 hours LAB			<i>Hours:</i> 216 hours LAB		
This course teaches foundations of coding HTML and CSS. Technical aspects of Web development are included for using text, images, links, objects, forms, tables, and multi-media on Web pages. CSS will be implemented using inline, embedded and external styles, media queries, selectors, web fonts, pseudo-classes, pseudo-elements, and other CSS techniques to apply advanced features for the presentation of Web pages. Open-source developer tools and online resources will be introduced. Websites will be managed locally and on a network using effective file management and file transfer protocols. World Wide Web Consortium (W3C) recommended standards will be emphasized using a structured approach in writing validated, accessible, and adaptive code for multiple devices: cell, tablet and desktop. Students taking this course should have fundamental skills in file management and be familiar with fundamental operating system skills-sets for success in this course. Students who have successfully completed CISW 320 and CISW 304 are not eligible to take this course.			This course provides students with opportunities to further develop their Web development skills in preparation for employment or advancement within their current jobs. Course content includes understanding the application of education to the workforce; completion of required forms, which document the student's progress and hours spent at the work site; and developing workplace skills and competencies. During the course of the semester, the student is required to fulfill development of Web projects. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. The student must have a job, volunteer, or internship position related to Web development secured to remain enrolled in the course. The student will be required to attend an orientation at the beginning of the course and complete a minimum of 75 hours to a maximum of 300 hours of paid work; or a minimum of 60 hours to a maximum 240 hours of unpaid work per unit per semester. This course may be taken up to 4 times when there is new or expanded learning on the job for up to 16 units. Only one Work Experience course may be taken per semester.		
<b>CISW 400</b>	<b>Client-side Web Scripting</b>	<b>4 Units</b>	<b>CISW 499</b>	<b>Experimental Offering in Computer Information Science – Web</b>	<b>.5-4 Units</b>
<i>Prerequisite:</i> CISW 320 with a grade of "C" or better, or equivalent experience hand-coding Web pages; AND CISP 301 with a grade of "C" or better or equivalent programming experience			<i>Prerequisite:</i> None		
<i>General Education:</i> AA/AS Area II(b)			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 54 hours LEC		
<i>Hours:</i> 54 hours LEC; 54 hours LAB			See Experimental Offerings		
This course emphasizes client-side software development skills used to create interactive, data-driven websites, and Web applications with JavaScript. Topics include core language features and common design patterns, event handling, using the Document Object Model to dynamically modify Web pages, form validation, sending and receiving data with AJAX and JSON, and facilitating development with commonly-used frameworks such as jQuery.					

**Cosmetology****COSM****Degree:**

A.S. – Cosmetology

**Certificates of Achievement:**Art and Science of Nail Technology  
Cosmetology**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**

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>

**Division of Advanced Technology**Donnetta Webb, Dean  
Technology, room 106  
916-558-2491**Transfer Students**

Transfer students from another cosmetology or nail technology programs (public or private) must complete COSM 100. After successful completion of the course, the student's records will be evaluated for appropriate course placement by the cosmetology faculty.

**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.

	<b>Units</b>
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****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-employment/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
<b>Prerequisite Course</b>	
COSM 100 Introduction to Cosmetology.....	2
<b>First full semester</b>	
COSM 110 Related Technical Knowledge of the Basic Fundamental Skills .....	5
COSM 111 Basic Foundation of Practical Skills.....	10
<b>Second full semester</b>	
COSM 120 Intermediate Certificate Course Theory.....	5
COSM 121 Intermediate Certificate Course – Laboratory .....	10
<b>Third full semester</b>	
COSM 130 Advanced-Certificate Course – Theory.....	5
COSM 131 Advanced-Certificate Course – Laboratory .....	10
<b>Total Units Required</b>	<b>47</b>

## 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.

<b>COSM 111 Basic Foundation of Practical Skills</b>	<b>10 Units</b>	<b>COSM 131 Advanced-Certificate Course – Laboratory</b>	<b>10 Units</b>
<p>Prerequisite: COSM 100 with a grade of "C" or better.</p> <p>Corequisite: Concurrent enrollment in COSM 110.</p> <p>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.</p> <p>Hours: 540 hours LAB</p> <p>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.</p>		<p>Prerequisite: COSM 100, 110, 111, 120, and 121 with grades of "C" or better</p> <p>Corequisite: Concurrent enrollment in COSM 130.</p> <p>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.</p> <p>Hours: 540 hours LAB</p> <p>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.</p>	
<b>COSM 120 Intermediate Certificate Course Theory</b>	<b>5 Units</b>	<b>COSM 140 Supplemental Training</b>	<b>1-5 Units</b>
<p>Prerequisite: COSM 100 with a grade of "C" or better</p> <p>Corequisite: Concurrent enrollment in COSM 121</p> <p>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.</p> <p>Hours: 90 hours LEC</p> <p>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.</p>		<p>Prerequisite: COSM 100 with a grade of "C" or better</p> <p>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.</p> <p>Hours: 270 hours LAB</p> <p>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.</p>	
<b>COSM 121 Intermediate Certificate Course – Laboratory</b>	<b>10 Units</b>	<b>COSM 141 Skills Building for Cosmetology</b>	<b>3 Units</b>
<p>Prerequisite: COSM 100, 110, and 111 with grades of "C" or better.</p> <p>Corequisite: Concurrent enrollment in COSM 120.</p> <p>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.</p> <p>Hours: 540 hours LAB</p> <p>This course provides instruction and technical knowledge relating to intermediate and advanced levels in all phases of cosmetology including anatomy and physiology, hair styling, cold waving, manicuring, facials, hair coloring, scalp treatment reconditioning, hair cutting, thermal pressing and curling.</p>		<p>Prerequisite: COSM 100, 110, 111, 120, 121, 130, and 131 with grades of "C" or better</p> <p>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.</p> <p>Hours: 162 hours LAB</p> <p>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.</p>	
<b>COSM 130 Advanced-Certificate Course – Theory</b>	<b>5 Units</b>	<b>COSM 150 Art and Science of Nail Technology</b>	<b>11 Units</b>
<p>Prerequisite: COSM 100, 110, 111, 120 and 121 with grades of "C" or better</p> <p>Corequisite: Concurrent enrollment in COSM 131</p> <p>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.</p> <p>Hours: 90 hours LEC</p> <p>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.</p>		<p>Prerequisite: COSM 100 with a grade of "C" or better</p> <p>Corequisite: COSM 151</p> <p>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.</p> <p>Hours: 200 hours LEC</p> <p>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.</p>	

**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 Act, rules and regulations for licensing and establishments, the performance criteria for the written and practical licensing exams, and the latest industry trends, application and procedures.

**COSM 295    Independent Studies in Cosmetology                  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 the latest California State Cosmetology Act 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

**Deaf Culture and American Sign Language Studies DEAF**

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

**Deaf Culture & ASL Studies (DEAF)****DEAF 310 American Sign Language I 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 the beginning course in a series of four courses in the visual-gestural processes of American Sign Language (ASL). It provides instructional activities for students to become competent in communication with deaf people. The emphasis is on non-speech communication. Credit will be awarded for either SILA 305 or DEAF 310 but not for both. This course is formerly known as SILA 305.

**DEAF 312 American Sign Language II 4 Units***Prerequisite: DEAF 310 or 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 and ordinal numbers, contrastive structure, temporal aspect markers, and temporal sequencing. The emphasis is on non-speech communication. Credit will be awarded for either SILA 306 or DEAF 312 but not for both. This course is formerly known as SILA 306.

**DEAF 314 American Sign Language III 4 Units***Prerequisite: DEAF 312 or 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 class. It also includes dialogs that involve asking, empathizing, negotiating, and agreeing or disagreeing. The emphasis is on non-speech communication. This course is formerly known as SILA 315. Credit will be awarded for either SILA 315 or DEAF 314 but not for both.

**DEAF 316 American Sign Language IV 4 Units***Prerequisite: DEAF 314 or 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. Credit will be awarded for either SILA 316 or DEAF 316 but not for both. This course is formerly known as SILA 316.

**DEAF 320 Fingerspelling, Classifiers and Numbers .5-1 Units***Prerequisite: DEAF 310 or SILA 305 with a grade of "C" or better**Course Transferable to CSU**Hours: 54 hours LAB*

This course provides hands-on experiences with fingerspelling, classifiers, and ASL numbers. Topics include expressive and receptive fingerspelling, classifiers and ASL number techniques. This course enables American Sign Language learners to develop, expand, and reinforce hands-on experiences with fingerspelling, classifiers and ASL numbers skills while working independently, in small groups and with media such as DVDs and record video clips in ASL that incorporate finger-spelling. Coursework includes study topics integrated with expressive and receptive fingerspelling, classifiers and ASL numbers techniques. Student may re-enroll for a maximum of 1 unit. This course is graded as Pass/No PASS.

**DEAF 351 Introduction to American Deaf Culture 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 V(b); CSU Area D; IGETC Area 4**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 and sensitivity to the unique challenges of deafhood and how they influence personal-social and communication competencies of the Deaf person. Selected visits to community events may be required. This course is formerly known as SILA 330. Credit will be awarded for either SILA 330 or DEAF 351 but not for both.

<b>DEAF 352      Introduction to American Deaf Education      3 Units</b>	<b>DEAF 380      American Sign Language Literature      3 Units</b>
<p><i>Prerequisite: DEAF 351 or SILA 330 with a grade of "C" or better</i>  <i>Advisory: ENGRD 110 and ENGWR 101 OR ESLR 320 and ESLW 320 with grades of "C" or better.</i>  <i>General Education: AA/AS Area V(b)</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 54 hours LEC</i></p> <p>This course surveys topics related to educating Deaf children, adults, and individuals with additional disabilities. It also covers teaching methods and philosophies, school placement issues, child development, and methods of addressing developmental and linguistic stages. Selected visits to a residential Deaf school in Fremont and/or a local mainstreaming/Deaf program school may be required. This course is formerly known as SILA 332. Credit will be awarded for either SILA 332 or DEAF 352 but not for both.</p>	<p><i>Prerequisite: DEAF 314 or SILA 315 with a grade of "C" or better</i>  <i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 54 hours LEC</i></p> <p>This course introduces American Sign Language (ASL) literature genres such as folklore and folktales, storytelling, visual vernacular, personification, classifier story, poetry, ABC and number stories, and non-fiction narrative. Topics include analyzing and applying ASL usage in ASL literature genres.</p>
<b>DEAF 353      Baby Sign Language      3 Units</b>	
<p><i>Prerequisite: None.</i>  <i>General Education: AA/AS Area I; CSU Area C2</i>  <i>Course Transferable to CSU</i>  <i>Hours: 54 hours LEC</i></p> <p>This course focuses on Baby Sign Language vocabulary, alphabet, handshape, movement, palm orientation, structure, and grammar. Students will learn core vocabulary, comprehension, and grammar in ASL to understand its structure. Students will also be introduced to the history of the Deaf community and its culture, as well as be exposed to community resources for the Deaf and Hard of Hearing populations.</p>	
<b>DEAF 355      Audism and Inequality of the Deaf      3 Units</b>	
<p><i>Prerequisite: DEAF 351 or SILA 330 with a grade of "C" or better</i>  <i>Advisory: ENGRD 110 and ENGWR 101 OR ESLR 320 and ESLW 320 with grades of "C" or better.</i>  <i>General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; IGETC Area 4</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 54 hours LEC</i></p> <p>This course focuses on topics in the field of race and ethnicity in the Deaf community. It provides theoretical background and contexts of autism and oppression. It also covers the contribution of minorities including Deaf people to the United States as well as the sociological reasons for inequality of Deaf people in the United States.</p>	
<b>DEAF 362      Introduction to Deafhood      3 Units</b>	
<p><i>Prerequisite: Fluency in American Sign Language (ASL), and strong receptive and expressive skills in ASL without ASL Interpreters.</i>  <i>Advisory: The student needs to have been immersed in the Deaf culture and the Deaf community to be successful in this course.</i>  <i>General Education: AA/AS Area VI; IGETC Area 4</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 54 hours LEC</i></p> <p>In this course, an in-depth guide to Deaf culture will be presented, starting from the premise that Deaf culture has an important contribution to make to other academic disciplines and to human lives in general. Within and outside of Deaf communities, there is a need for an account of the new concept of Deaf culture, which helps students or Deaf leaders in the Deaf community to assess its place alongside work within other minority cultures and multilingual discourses. In this course, students will assess the concepts of culture on its own terms and in its many guises and apply these to Deaf communities. In addition, the students will study the pitfalls that have been created for Deaf communities by an unthinking adherence to the medical concept of 'deafness' and contrast this with the new concept of Deafhood: a process by which every Deaf student, family, and adult implicitly explains their existence in the world to themselves and each other.</p>	

**Dental Assisting****DAST****Degree:****A.S. – Dental Assisting****Certificate of Achievement (One year plus one Summer):**  
**Dental Assisting****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 an Associate of Science Degree in Dental Assisting. After successful completion of the curriculum the student is eligible to take the National Board Examination and upon passing becomes a Certified Dental Assistant. This evidence of competence is recognized throughout the United States. In addition, graduates will be able to apply for and take the Dental Board of California examination for state licensure as Registered Dental Assistants. In addition to normal student expenses (for textbooks, etc.), the Dental Assisting Program requires an expenditure of approximately \$4,000.00 during the one-year program for uniforms and special supplies. Applicants are encouraged to check with the Financial Aid Office for possible assistance before entering the program if this creates a hardship.

The program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at 312-440-4653 or at 211 East Chicago Avenue, Chicago, Illinois 60611.

**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 310 or ESLR 320 with a grade of "C" or better AND completion of ENGWR 101 or ESLW 310 with a grade of "C" or better; OR overall high school GPA of 3.0 or above; OR
- Successful completion of DAST100 with a grade of "C" or better.

**Enrollment Process**

Eligible students are selected for the program according to the following steps:

- Complete the online application (which includes uploading proof of eligibility) between January 1 and April 1 to apply for the fall semester program start.
- All eligible candidates will be entered into a random selection pool.
- The first 30 eligible applications will be selected for the program; all others are alternates and will be notified if/when seats become available.

**Division of Science and Allied Health****James Collins, Dean**  
**South Gym, room 220****916-558-2271**

- 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, and professional growth.
- adapt knowledge of the practice of dentistry to the demonstration of clinical dental assisting skills.
- exhibit knowledge necessary for successful completion of the California Registered Dental Assistant's Examination and the National Certified Dental Assistant's Examination.

<b>Required Program</b>	<b>Units</b>
DAST 101 Biodontal Science.....	2.5
DAST 102 Chairside Assisting .....	6
DAST 103 Patient Assessment .....	2.5
DAST 104 Dental Anatomy and Morphology .....	3
DAST 107 Dental Radiology .....	2.5
DAST 111 Dental Patient Education .....	1
DAST 112 Registered Dental Assistant Advanced Duties.....	3
DAST 113 Advanced Patient Assessment and Dental Imaging .....	2
DAST 115 Registered Dental Assistant Advanced Duty Certifications.	2
DAST 116 Practice Management for the Dental Assistant .....	2
DAST 118 Board Preparation .....	2
DAST 119 Clinical Experience I .....	3
DAST 129 Clinical Experience II .....	31
<b>Total Required Units</b>	
<b>34.5</b>	

<sup>1</sup> Offered only in 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 Biidental Science.....	2.5
DAST 102 Chairside Assisting .....	6
DAST 103 Patient Assessment .....	2.5
DAST 104 Dental Anatomy and Morphology .....	3
DAST 107 Dental Radiology .....	2.5

**Second Semester, Spring**

DAST 111 Dental Patient Education .....	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
DAST 119 Clinical Experience I .....	3

**Summer Session**

DAST 129 Clinical Experience II .....	3
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**Dental Assisting (DAST)****DAST 100 Introduction to Dental Assisting 1 Unit***Prerequisite: None.**Hours: 18 hours LEC*

This course is an introduction to the practice of dental assisting. Topics include dental terminology, infection control, study strategies, and the expectations and concerns of the allied dental health professional.

**DAST 101 Biidental Science 2.5 Units***Prerequisite: None.**Enrollment Limitation: Acceptance into the Dental Assisting program**Hours: 36 hours LEC; 27 hours LAB*

Biidental Science includes microbiology and asepsis, disease prevention, infection control regulations, occupational safety procedures, sterilization, and hazardous materials in the dental practice.

**DAST 102 Chairside Assisting 6 Units***Prerequisite: None.**Enrollment Limitation: Acceptance into the Dental Assisting program**Hours: 72 hours LEC; 108 hours LAB*

This course is an introduction to basic dental assisting duties and the principles of four-handed dentistry. Basic dental materials and instrumentation are major components of this course.

**DAST 103 Patient Assessment 2.5 Units***Prerequisite: See enrollment limitations**Enrollment Limitation: Acceptance into the Dental Assisting program**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 Dental Anatomy and Morphology 3 Units***Prerequisite: None.**Enrollment Limitation: Acceptance into the Dental Assisting program**Hours: 54 hours LEC*

The focus of this course is dental anatomy and morphology including the form, function, and location of the hard and soft structures of the mouth. In addition, the course covers material related to general physiology, oral embryology and histology, and physiology of the head and neck as these relate to the practice of dentistry.

**DAST 107 Dental Radiology 2.5 Units***Prerequisite: See enrollment limitations**Enrollment Limitation: Acceptance into the Dental Assisting program**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. Students will integrate these concepts with preventive dentistry concepts and the role of the dental assistant in community and public health situations.

**DAST 112 Registered Dental Assistant Advanced Duties 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*

This course includes the practical application of advanced dental assisting duties as defined by the Dental Board of California.

**DAST 113 Advanced Patient Assessment and Dental Imaging 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: 27 hours LEC; 27 hours LAB*

This course builds on the principles of DAST 103 Patient Assessment. Topics of this course include medical and dental history assessment, treatment planning, head and neck examination, intra-oral inspection of hard and soft tissues, gingival assessment, oral pathology, intra-oral and extra-oral imaging, full mouth radiographs, and case presentation.

<b>DAST 115      Registered Dental Assistant      2 Units</b>	<b>DAST 295      Independent Studies in Dental Assisting      1-3 Units</b>
<b>Advanced Duty Certifications</b>	
<i>Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better</i>	<i>Prerequisite: See enrollment limitations</i>
<i>Enrollment Limitation: Enrollment in the Dental Assisting program.</i>	<i>Enrollment Limitation: Student must be enrolled in the Dental Assisting program.</i>
<i>Hours: 108 hours LAB</i>	<i>Hours: 162 hours LAB</i>
This course provides instruction and practice in advanced dental assisting duties including coronal polish, application of pit and fissure sealants, patient assessment, teeth whitening, and caries detection.	This is a course for those dental assisting students requesting special projects related to their dental assisting education.
<b>DAST 116      Practice Management for the Dental Assistant      2 Units</b>	<b>DAST 299      Experimental Offering in Dental Assisting      .5-4 Units</b>
<b>Prerequisite: DAST 101, 102, 103, 104, 107, and 119 with grades of "C" or better</b>	<b>Prerequisite: None</b>
<i>Enrollment Limitation: Enrollment in the Dental Assisting program.</i>	<i>Hours: 72 hours LEC; 27 hours LAB</i>
<i>Hours: 36 hours LEC</i>	<i>See Experimental Offerings</i>
This course encompasses the principles of dental office management including: administrative procedures, record keeping, scheduling, dental histories, financial arrangements, bookkeeping, insurance procedures, patient communication, patient psychology, and job-finding skills. This course also includes a thorough review of all dental assisting duties allowed by the Dental Board of California and the application process for both the Registered Dental Assistant Exam and the Certified Assistant Exam.	
<b>DAST 118      Board Preparation      2 Units</b>	
<b>Prerequisite: DAST 111, 112, 113, 115, 116, and 119 with grades of "C" or better</b>	
<i>Hours: 36 hours LEC</i>	
This course is the culmination of all previous dental assisting courses and focuses on the specific requirements and components of both the state and national dental assisting board exams. At the completion of this course, students should be well-prepared to take the Registered Dental Assisting examination of the Dental Board of California, as well as the Certified Dental Assistant examination of the Commission on Dental Accreditation.	
<b>DAST 119      Clinical Experience I      3 Units</b>	
<b>Prerequisite: DAST 101, 102, 104, and 107 with grades of "C" or better</b>	
<i>Enrollment Limitation: Enrollment in the Dental Assisting program</i>	
<i>Hours: 162 hours LAB</i>	
This course involves performance of dental assisting duties in an assigned dental office.	
<b>DAST 129      Clinical Experience II      3 Units</b>	
<b>Prerequisite: DAST 111, 112, 113, 115, 116, 118, and 119 with grades of "C" or better</b>	
<i>Enrollment Limitation: Enrollment in the Dental Assisting program</i>	
<i>Hours: 162 hours LAB</i>	
This course involves performance of basic dental assisting duties as well as expanded duties in an assigned dental office.	

# Dental Hygiene      DHYG

**Degree:**  
A.S. – Dental Hygiene

**Division of Science and Allied Health**  
James Collins, Dean  
South Gym, room 220  
916-558-2271

## Dental Hygiene Associate in Science Degree

### Program Information

The Dental Hygiene Program consists of prerequisite courses in addition to dental hygiene courses. Students are required to complete additional general education and graduation requirements to earn an AS degree in Dental Hygiene. The program is accredited by the Commission on Dental Accreditation of the American Dental Association. The Commission is a specialized accrediting body recognized by the United States Department of Education and can be contacted at 211 East Chicago Avenue, Chicago, Illinois 60611. Program graduates are eligible to take the National Board Dental Hygiene Examination, which is administered by the Joint Commission on National Dental Examinations, the California RDH Examination, and other state and regional licensing examinations.

In addition to normal student expenses (tuition, books, etc.), the Dental Hygiene Program requires an expenditure of over \$10,000 during the two-year program for uniforms, instruments, and special supplies. More than \$8,000 will be needed at the beginning of the first semester. If this creates a financial burden, students should consult the Financial Aid Office for possible assistance one semester before entering the program.

### Recommended Preparation

High school and college preparatory courses including algebra, biology, chemistry, and physiology are recommended.

### Graduation Requirements

Additional courses are necessary to meet Graduation Requirements. These may include American Institutions, Ethnic/Multicultural Studies, Humanities, Living Skills, and Competency Requirements.

Students must consult with a counselor to determine their individual educational plan.

A grade of "C" or better in all Dental Hygiene courses is required for progression in the Dental Hygiene program and for recommendation to apply for the Dental Hygiene licensing examination.

The Associate in Science Degree in Dental Hygiene must be obtained for graduation from the program.

### 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 online application and official transcripts to Admission and Records. Enrollment eligibility courses include:
- BIOL 430 and 431, Anatomy and Physiology; BIOL 440, General Microbiology; CHEM 305 and CHEM 306 or CHEM 309, with a cumulative minimum GPA of 3.0.
- NUTRI 300 or NUTRI 480, Nutrition; PSYC 300 or PSYC 480, General Principles; SOC 300 or SOC 480, Introductory Sociology; COMM 301 or 331, Introduction to Public Speaking; ENGWR 300 or ENGWR 488, College Composition, Ethnic/Multicultural graduation requirement (See SCC Graduation Requirements), and DHYG 100, Introduction to Dental Hygiene, with a cumulative minimum GPA of 2.5.
- completion of ENGRD 110 or higher with a grade of "C" or better, or have an AA/AS degree or higher.

- completion of MATH 120 or higher, with a grade of "C" or better.
- enrollment eligibility courses taken for Credit/No Credit (C/NC) will be calculated into GPAs as a "C" grade.

### Enrollment Process

Eligible students are selected for the program according to the following steps:

- Applications for enrollment are submitted online. One (1) official transcript supporting completion of prerequisite courses outside of the district must be submitted to Sacramento City College Admissions and Records by the posted due date. Enrollment applications and deadlines are available on the SCC website at <https://www.scc.losrios.edu/dental/dental-hygiene/>
- Completion of the enrollment eligibility requirements places the applicant in the random selection pool. Eligible students who are not selected for program enrollment will be considered alternates. Students that apply consecutive years retain their alternate ranking from their first application year.
- A background check and drug screening will be required of all students upon enrollment.

### 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.

<b>Required Program</b>	<b>Units</b>
<b>Enrollment Eligibility Courses:</b>	
AH 301 Health Care in a Multicultural Society .....	3
BIOL 430 Anatomy and Physiology .....	5
BIOL 431 Anatomy and Physiology .....	5
BIOL 440 General Microbiology .....	4
DHYG 100 Introduction to Dental Hygiene.....	0.5
CHEM 305 Introduction to Chemistry (5) .....	5 – 10
and CHEM 306 Introduction to Organic and Biological Chemistry (5)	
or CHEM 309 Integrated General, Organic, and Biological Chemistry (5)	
COMM 301 Introduction to Public Speaking (3).....	3
or COMM 331 Group Discussion (3)	
ENGWR 300 College Composition (3).....	3 – 4
or ENGWR 488 Honors College Composition and Research (4)	
MATH 120 Intermediate Algebra .....	5
NUTRI 300 Nutrition (3) .....	3
or NUTRI 480 Nutrition Honors (3)	
PSYC 300 General Principles (3) .....	3
or PSYC 480 Honors General Principles (3)	
<b>First Semester (Fall):</b>	
SOC 300 Introductory Sociology (3) .....	3
or SOC 480 Introductory Sociology – Honors (3)	
DHYG 101 Introduction to Clinical Dental Hygiene.....	6
DHYG 103 Oral Histology and Embryology.....	1
DHYG 104 Patient Education and Nutrition .....	2
DHYG 107 Dental Morphology.....	1.5
<b>Second Semester (Spring):</b>	
DHYG 109 Infection Control and Hazardous Materials .....	0.5
DHYG 111 Clinical Dental Hygiene I .....	4
DHYG 112 Periodontics I .....	2
DHYG 113 Head and Neck Anatomy .....	2
<b>Summer Session:</b>	
DHYG 117 Dental Radiology.....	3
DHYG 121 Clinical Dental Hygiene II .....	2
DHYG 127 Dental Materials.....	2
<b>Third Semester (Fall):</b>	
DHYG 129 Dental Anesthesia.....	2
DHYG 131 Clinical Dental Hygiene III .....	4.5
DHYG 132 Periodontics II .....	1
DHYG 134 Community Dental Health .....	2
DHYG 135 Clinic Seminar .....	1.5
DHYG 138 Oral Pathology .....	2
<b>Fourth Semester (Spring):</b>	
DHYG 139 Pharmacology.....	2
DHYG 141 Clinical Dental Hygiene IV .....	4.5
DHYG 145 Clinic Seminar II .....	1
DHYG 149 Ethics, Jurisprudence and Dental Hygiene Practice.....	2
<b>Total Units Required</b>	<b>91-97</b>

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

The Dental Hygiene Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

**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     6 Units  
Hygiene***Prerequisite: See enrollment limitations.*

*Enrollment Limitation: Acceptance into the dental hygiene program and completion of BIOL 430, 431, and 440; CHEM 305 and 306 with grades of "C" or better, and with a cumulative GPA of 3.0 or better; completion of DHYG 100, NUTRI 300 or NUTRI 480, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 480, SOC 300 or SOC 480, Ethnic/Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.*

*Hours: 36 hours LEC; 216 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, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 400, Ethnic/Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.*

*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, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 400, Ethnic/Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.*

*Hours: 36 hours LEC*

This course covers the principles and practices of preventing and controlling dental disease with emphasis on nutrition, plaque control, motivation, and chairside patient education.

**DHYG 107 Dental Morphology 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, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 400, Ethnic/Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.*

*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, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 400, Ethnic/Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.*

*Hours: 9 hours LEC*

This course emphasizes the legal and ethical aspects of infectious disease transmission and their prevention. The necessary information to meet Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) requirements for education on infection control and hazardous material management is included.

**DHYG 111 Clinical Dental Hygiene I 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 course provides clinical practice of oral prophylaxis through practical applications of procedures learned in DHYG 101. In clinic, students demonstrate various procedures on each other before applying them to patients: children over 5 years old and young adults. Techniques in patient education will be practiced. The lectures include rationale for more difficult traditional dental hygiene skills as students advance from preclinic to DHYG 111 Clinic I. Students are required to complete the minimum number of patients and services required.

**DHYG 112 Periodontics I 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 that includes the identification of the normal periodontium and recognition of deviations from normal. It includes the etiology and principles of periodontal disease, examination procedures, treatment, and preventive measures.

**DHYG 113 Head and Neck Anatomy 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*

This course covers the principles of dental radiology. Topics include laboratory experience and clinical application of procedures involved in exposing, processing, interpreting, and evaluating dental radiographs.

**DHYG 121 Clinical Dental Hygiene II 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 course provides continued clinical experience in performing oral prophylaxis with wider variety of clinical cases, as well as complete assignments in clinical radiography. Students must complete minimal number of patient treatments and services listed in the syllabus.

**DHYG 127 Dental Materials 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. It includes training in radiographic decision making and placement of Interim Therapeutic Restorations (ITR). Instruction of ITR consists of four hours of didactic and four hours of laboratory. Clinical ITR instruction is embedded in DHYG 131 and DHYG 141.

<b>DHYG 129    Dental Anesthesia</b>	<b>2 Units</b>	<b>DHYG 134    Community Dental Health</b>	<b>2 Units</b>
<i>Prerequisite: DHYG 113 and 121 with grades of "C" or better</i>		<i>Prerequisite: DHYG 121 and 127 with grades of "C" or better</i>	
<i>Enrollment Limitation: Acceptance into the dental hygiene program and completion of BIOL 430, 431, and 440; CHEM 305 and 306 with grades of "C" or better, and with a cumulative GPA of 3.0 or better; completion of DHYG 100, NUTRI 300 or NUTRI 400, ENGWR 300 or ENGWR 488, COMM 301 or COMM 331, PSYC 300 or PSYC 400, SOC 300 or SOC 480, Ethnic/Multicultural graduation requirement, and MATH 120 or higher with grades of "C" or better and a cumulative GPA of 2.5 or better; completion of ENGRD 110 or eligibility for ENGRD 310 as determined by the reading assessment process for all applicants who do not have an AA degree or higher.</i>		<i>Enrollment Limitation: Enrollment in the Dental Hygiene program.</i>	
<i>Hours: 27 hours LEC; 27 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
Dental Anesthesia covers the science behind local anesthesia with a lab component including oral injections. Anatomical structures of the head and neck and oro-facial variations from normal in a clinical setting are included in the course content. The rationale for this course is to present didactic instruction related to the indications and contraindications of the administration and reversal of local anesthetic agents. Course content will also include head and neck anatomy, physical and psychological evaluation procedures, review of the body systems, theory and psychological aspects of pain and anxiety control, selection of pain control modalities, pharmacological considerations such as action of anesthetics and vasoconstrictors, recovery and post procedure, complications and management of local anesthetic emergencies, armamentarium, techniques for maxillary and mandibular local infiltrations, field blocks and nerve blocks, proper infection control, documentation that meets the standard of care, and medical and legal considerations. Student course evaluation mechanisms are included in didactic instruction prior to preclinical injections. An emphasis will be placed on the administration of local anesthesia. Preclinical injection skills (2 for each injection) will be obtained in preparation for clinical injection requirements in DHYG 131 and DHYG 141. Injections include IO (ASA nerve block), ASA (field block), MSA, PSA, GP, NP (P-ASA), AMSA, IANB (includes lingual), Buccal, mental, incisive, maxillary infiltration (1-16), mandibular infiltration (22-27), and intraseptal.			
<b>DHYG 131    Clinical Dental Hygiene III</b>	<b>4.5 Units</b>	<b>DHYG 135    Clinic Seminar</b>	<b>1.5 Units</b>
<i>Prerequisite: DHYG 121 and 127 with grades of "C" or better</i>		<i>Prerequisite: DHYG 121 and 127 with grades of "C" or better</i>	
<i>Enrollment Limitation: Enrollment in the dental hygiene program.</i>		<i>Enrollment Limitation: Enrollment in the dental hygiene program.</i>	
<i>Hours: 252 hours LAB</i>		<i>Hours: 27 hours LEC</i>	
This course provides continued clinical experience in the provision of comprehensive dental hygiene services to a wide variety of patients with different medical and dental needs. The course focuses on progressive development of skills in areas of dental hygiene assessment, diagnosis, treatment planning, preventive and therapeutic services, and evaluation and time management. Students must complete the required number of patients for the semester.		This course integrates advanced concepts and skills into the clinical experiences of the third semester dental hygiene student. Emphasis is placed on development and implementation of comprehensive patient treatment plans, identification of resources to support evidence-based patient care, and critical thinking skills. This course introduces topics related to aging and its implication for health care providers. Emphasis is on socioeconomic and psychological aspects of aging, as well as normal age-related physiological changes. An overview of community resources that serve the older populations' health and dental needs is also included. Additionally, the preparation for table clinic presentations in Clinic Seminar II is introduced.	
<b>DHYG 132    Periodontics II</b>	<b>1 Unit</b>	<b>DHYG 138    Oral Pathology</b>	<b>2 Units</b>
<i>Prerequisite: DHYG 121 and 127 with grades of "C" or better</i>		<i>Prerequisite: DHYG 121 and 127 with grades of "C" or better</i>	
<i>Enrollment Limitation: Enrollment in the dental hygiene program.</i>		<i>Enrollment Limitation: Enrollment in the dental hygiene program.</i>	
<i>Hours: 9 hours LEC; 27 hours LAB</i>		<i>Hours: 36 hours LEC</i>	
This course develops clinical skills applicable in the treatment of patients with advanced periodontal disease. The course includes demonstrations and performance of tasks on appropriate laboratory materials. It also includes working with a live patient and with a periodontist in the clinical setting using advanced skills, including administration of local anesthesia and soft tissue curettage. Students will synthesize the results of assessments and design and implement treatment for a periodontally involved patient. Soft Tissue Curettage (STC) includes three hours of didactic and preclinical instruction.		This course is the introduction to general pathology with a special emphasis on oral pathology. This course also addresses recognition of the normal and abnormal in the oral cavity.	
<b>DHYG 139    Pharmacology</b>	<b>2 Units</b>	<b>DHYG 141    Clinical Dental Hygiene IV</b>	<b>4.5 Units</b>
<i>Prerequisite: DHYG 121 and 127 with grades of "C" or better</i>		<i>Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better</i>	
<i>Enrollment Limitation: Enrollment in the dental hygiene program.</i>		<i>Enrollment Limitation: Enrollment in the dental hygiene program.</i>	
<i>Hours: 36 hours LEC</i>		<i>Hours: 252 hours LAB</i>	
Pharmacology is the classification and study of drugs according to origin, physical and chemical properties. This course covers the therapeutic effect and values, particularly of drugs utilized in dentistry.		This course provides continuing clinical experience in performing oral prophylaxis, oral radiographic surveys, charting cases, and patient education. The clinical experience is related to all aspects of dentistry. Students must complete the minimum number of patients and services listed in the syllabus.	

<b>DHYG 145 Clinic Seminar II</b>	<b>1 Unit</b>	<b>DHYG 297 Advanced Topics Seminar</b>	<b>1 Unit</b>
<i>Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Enrollment Limitation: Enrollment in the dental hygiene program.</i>		<i>Enrollment Limitation: Possession of or in the process of obtaining a state license for Dentists, Dental Hygienists, or Dental Assistants</i>	
<i>Hours: 9 hours LEC; 27 hours LAB</i>		<i>Hours: 18 hours LEC</i>	
This course provides instruction in nitrous oxide-oxygen analgesia and caries detection. Students develop critical thinking skills through the discussion of problems and special interest cases encountered in clinical experience. There will be presentations from outside speakers. Additionally, this course is designed to share and discuss unique and common situations that have occurred in the clinic, develop the skills to identify dental caries, and provide a format for research presentations of dental table clinics. This course provides instruction in the administration of nitrous oxide. This course also presents didactic instruction related to the indications and contraindications of the administration of nitrous oxide-oxygen analgesia agents. Course content also includes head and neck anatomy, physical and psychological evaluation procedures, review of the body systems, theory and psychological aspects of pain and anxiety control, selection of pain control modalities, pharmacological considerations such as the action of nitrous oxide-oxygen analgesia, recovery and post procedure, complications and management of nitrous oxide-oxygen analgesia emergencies, armamentarium, techniques for nitrous oxide-oxygen analgesia, proper infection control, documentation that meets the standard of care, and medical and legal considerations. Student course evaluation mechanisms are included in didactic instruction prior to preclinical administration of nitrous oxide. Two (2) Preclinical nitrous oxide-oxygen analgesia skills will be obtained in preparation for three (3) clinical competency administrations in DHYG 141. Each clinical competency shall include the performance of a dental hygiene procedure while administering at least 20 minutes of nitrous-oxygen analgesia.		This course offers advanced topics in dental practice as part of a seminar course. Topics include nitrous oxide-oxygen sedation, oral pathology, advanced instrumentation, ergonomics, infection control, and California Dental Practice Act.	
<b>DHYG 149 Ethics, Jurisprudence and Dental Hygiene Practice</b>	<b>2 Units</b>	<b>DHYG 299 Experimental Offering in Dental Hygiene</b>	<b>.5-4 Units</b>
<i>Prerequisite: DHYG 131, 132, 134, 135, 138, and 139 with grades of "C" or better</i>		<i>Prerequisite: None</i>	
<i>Enrollment Limitation: Enrollment in the dental hygiene program.</i>		<i>Hours: 72 hours LEC</i>	
<i>Hours: 36 hours LEC</i>		<i>See Experimental Offerings</i>	
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.			
<b>DHYG 295 Independent Studies in Dental Hygiene</b>	<b>1-3 Units</b>		
<i>Prerequisite: See enrollment limitations</i>			
<i>Enrollment Limitation: Enrollment in the dental hygiene program or a license dental professional obtaining continuing education.</i>			
<i>Hours: 162 hours LAB</i>			
This course is designed to provide a mechanism for current dental hygiene students or licensed professionals to complete independent studies in dental hygiene education. The course is designed to allow for three uses; supplemental dental hygiene clinic time for currently enrolled dental hygiene students, remediation dental hygiene clinic time for currently enrolled dental hygiene students, or continuing education for licensed dental professionals. Continuing education from dental professionals is a mandated training requirement as a condition of continued employment. (Cal. Code Regs., tit. 5, 55041 allowed for repeatability with no limitations).			

## Design and Digital Media

### Degree:

A.S. – Design and Digital Media

### Certificates of Achievement:

3D Animation and Modeling  
Design and Digital Media  
Game Design  
Graphic Design  
User Interface and Web Design

## DDSN, ANIM, GAME, MODL

### Division of Advanced Technology

Donnetta Webb, Dean  
Technology, room 106  
916-558-2491

### Program Information

The Design and Digital Media Department (formerly known as Graphic Communication) partners with industry leaders to develop coursework that blends solid theoretical training with digital tools. Faculty members ensure student understanding of the principles of design, typography, color theory, layout, 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. Design and Digital Media has been inspiring creative emergence and developing professional marketability for over four decades.

The program consists of three distinct areas:

- Graphic and Web Design
- Animation and 3D Modeling
- Video Game Design

Courses within these areas focus on specific skills and technical competencies to promote success in the workplace and transfer to four-year colleges and art schools.

### 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 online 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.

### Animation and 3D 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 are 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
ANIM 301 Animation I .....	3
ANIM 302 Animation II .....	3
ANIM 303 Animation III .....	3
MODL 301 3D Modeling I.....	3
<b>Total Units Required</b>	<b>12</b>

#### Certificate of Achievement

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

## Design and Digital Media

### Associate in Science Degree

### Certificate of Achievement

#### Program Information

Design and Digital Media develops coursework in conjunction with Northern California industry leaders. Our courses offer students both current technology and theory in graphic design, digital imaging, digital illustration, and page layout skills for print, web, and other screen-based media, computer animation, 3D modeling, and video game design.

The Design and Digital Media Department partners with industry leaders to develop coursework that blends solid theoretical training with the latest technical tools. Faculty members ensure student engagement with principles of typography, color theory, layout, form, visual message-making, interaction, motion, animation, and game design while preparing students for real-world employment or transfer to a four-year institution. Design and Digital Media has been inspiring creative emergence and developing professional marketability for four decades.

## **Recommended High School Preparation**

Students should complete courses in one or more of the following: art, design, computer skills, photography, journalism, and creative writing.

## **Career Opportunities**

Career Opportunities may be found in graphic design studios, publications, animation studios, video game design studios, in-house agencies, and self-employment or freelance work.

### **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 a tool of engagement in issues of sustainability, social responsibility, economic equality, and cultural understanding.

<b>Required Program</b>	<b>Units</b>
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A minimum of 30 units from the following: ..... 30

- ANIM 301 Animation I (3)
- ANIM 302 Animation II (3)
- ANIM 303 Animation III (3)
- ANIM 307 Motion Graphics I (3)
- ANIM 495 Independent Studies in Animation (1 – 3)
- DDSN 301 Graphic Design I (3)
- DDSN 302 Graphic Design II (3)
- DDSN 303 Typography I (3)
- DDSN 305 History of Graphic Design (3)
- DDSN 311 Digital Layout I (3)
- DDSN 312 Digital Layout II (3)
- DDSN 321 Print and Multimedia Publication Design I (3)
- DDSN 322 Print and Multimedia Publication Design II (3)
- DDSN 323 Print and Multimedia Publication Design III (3)
- DDSN 331 Digital Imaging I (3)
- DDSN 332 Digital Imaging II (3)
- DDSN 333 Digital Imaging III (3)
- DDSN 335 Digital Imaging – Special Techniques (1.5)
- DDSN 341 Digital Illustration for Graphic Design I (3)
- DDSN 342 Digital Illustration for Graphic Design II (3)
- DDSN 360 User Interface Design (3)
- DDSN 361 Web Design I (3)
- DDSN 362 Web Design II (3)
- DDSN 390 Professional Practice and Portfolio (3)
- DDSN 391 Design Studio I (3)
- DDSN 392 Design Studio II (3)
- DDSN 393 Design Studio III (3)
- DDSN 495 Independent Studies in Digital Design (1 – 3)
- GAME 301 Video Game Design (3)
- GAME 303 Video Game Level Design (3)
- GAME 495 Independent Studies in Game Design (1 – 3)
- MODL 301 3D Modeling I (3)
- MODL 302 3D Modeling II (3)
- MODL 495 Independent Studies in 3D Modeling (1 – 3)

**Total Units Required** 12

## **Associate in Science Degree**

The Design and Digital Media Associate in Science (A.S.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

## **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 be prepared for entry level positions 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:**

- exhibit an understanding of the game design process.
- communicate an understanding of game structure and elements.
- identify the various roles in a professional game development environment.
- build a working game prototype.
- create 3D art assets for video games.
- optimize 3D art assets to run correctly in a real-time game engine.

<b>Required Program</b>	<b>Units</b>
ANIM 301 Animation I .....	3
ANIM 302 Animation II .....	3
DDSN 331 Digital Imaging I.....	3
GAME 301 Video Game Design .....	3
GAME 303 Video Game Level Design .....	3
MODL 301 3D Modeling I.....	3
MODL 302 3D Modeling II.....	3
<b>Total Units Required</b>	<b>21</b>

### **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.

<b>Required Program</b>	<b>Units</b>
DDSN 311 Digital Layout I .....	3
DDSN 331 Digital Imaging I .....	3
DDSN 341 Digital Illustration for Graphic Design I .....	3
DDSN 390 Professional Practice and Portfolio .....	3
DDSN 360 User Interface Design .....	3
A minimum of 9 units from the following: .....	9
DDSN 301 Graphic Design I (3)	
DDSN 302 Graphic Design II (3)	
DDSN 303 Typography I (3)	
DDSN 305 History of Graphic Design (3)	
DDSN 312 Digital Layout II (3)	
DDSN 332 Digital Imaging II (3)	
DDSN 333 Digital Imaging III (3)	
DDSN 342 Digital Illustration for Graphic Design II (3)	
DDSN 391 Design Studio I (3)	
DDSN 392 Design Studio II (3)	
DDSN 393 Design Studio III (3)	
<b>Total Units Required</b>	<b>24</b>

**Certificate of Achievement**

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

**User Interface and Web Design****Certificate of Achievement****Program Information**

This program provides a foundation of Web, user interface and user experience design, and development skills for students interested in careers as user interface designers for Web and mobile applications. The students completing this program will acquire tangible skills needed for planning, creating developing, and maintaining websites and user interfaces for small to medium businesses. Students will be presented with various Web technologies, processes, and techniques, which will provide well-rounded skills for increasing their employment and freelancing potential.

**Career Opportunities**

Career Opportunities include employment at Web design studios, graphic design studios, in-house design teams, or self-employment.

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

- employ the applications, languages, and processes necessary for publishing interactive, standards compliant, accessible websites and user interfaces.
- understand and utilize user-centered graphic design principles and how to apply them to meet the needs of a user interface project.
- design and develop websites individually and as a member of a team demonstrating effective processes for information architecture and navigation, content creation, and user interface and user experience design.
- manage a design project and utilize the communication skills necessary to function productively in interdisciplinary teams and organizational structures.

- use of an industry-standard content management system to develop and maintain a user-centered, responsive website.
- communicate the ethical and legal issues associated with creating websites.
- create a web-based portfolio of work and apply professional strategies to develop a successful career in user interface design, gain freelance clients, and manage projects.

	<b>Units</b>
CISW 306 Introduction to Web Page Creation and Web Accessibility .....	2
CISW 327 Introduction to Web Development coding HTML and CSS .....	4
DDSN 301 Graphic Design I (3) .....	3
or DDSN 311 Digital Layout I (3)	
DDSN 331 Digital Imaging I .....	3
DDSN 360 User Interface Design .....	3
DDSN 361 Web Design I .....	3
DDSN 362 Web Design II .....	3
DDSN 390 Professional Practice and Portfolio .....	3
DDSN 391 Design Studio I .....	3
<b>Total Units Required</b>	<b>27</b>

**Certificate of Achievement**

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

**3D Modeling (MODL)****MODL 295     Independent Studies in 3D Modeling     1-3 Units**

*Prerequisite: None.*

*Hours: 162 hours LAB*

This course allows students to have a learning experience in one or more of the areas of 3D Modeling that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member.

**MODL 299     Experimental Offering in 3D Modeling     .5-4 Units**

*Prerequisite: None*

*Hours: 72 hours LEC*

See Experimental Offerings

**MODL 301     3D Modeling I     3 Units**

*Prerequisite: None.*

*Advisory: GCOM 400, ANIM 301 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. Formerly known as GCOM 402

**MODL 302 3D Modeling II 3 Units**

*Prerequisite: MODL 301 or GCOM 402 with a grade of "C" or better, or equivalent.*

*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. Formerly known as GCOM 424

**MODL 495 Independent Studies in 3D Modeling 1-3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 162 hours LAB*

This course allows students to have a learning experience in one or more of the areas of 3D Modeling that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC camps. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

**MODL 499 Experimental Offering in 3D Modeling .5-4 Units**

*Prerequisite: None*

*Course Transferable to CSU*

*Hours: 72 hours LEC*

See Experimental Offerings

**Animation (ANIM)****ANIM 295 Independent Studies in Animation 1-3 Units**

*Prerequisite: None.*

*Hours: 162 hours LAB*

This course allows students to have a learning experience in one or more of the areas of animation that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member.

**ANIM 299 Experimental Offering in Animation .5-4 Units**

*Prerequisite: None*

*Course Transferable to UC/CSU*

*Hours: 72 hours LEC*

See Experimental Topics

**ANIM 301 Animation I 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 histori-

cal perspective, industry overview, and the principles and theory that guide animation. The principles of animation are emphasized through lecture and the use of 2D drawing tools. Students learn the animation production process and industry trends. Students work on hands-on projects creating 2D animations. Formerly known as GCOM 400

**ANIM 302 Animation II 3 Units**

*Prerequisite: ANIM 301 or GCOM 400 with a grade of "C" or better, or equivalent.*

*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. Formerly known as GCOM 401.

**ANIM 303 Animation III 3 Units**

*Prerequisite: ANIM 302, MODL 301, GCOM 401, or GCOM 402 with a grade of "C" or better, or equivalent.*

*Advisory: GCOM 400, ANIM 301, ART 304, and TAFLM 330 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. Formerly known as GCOM 410

**ANIM 307 Motion Graphics I 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. Formerly known as GCOM 390

**ANIM 495 Independent Studies in Animation 1-3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 162 hours LAB*

This course allows students to have a learning experience in one or more of the areas of animation that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC camps. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

<b>ANIM 499</b>	<b>Experimental Offering in Animation</b>	<b>.5-4 Units</b>	<b>DDSN 303</b>	<b>Typography I</b>	<b>3 Units</b>
<p><i>Prerequisite: None</i>  <i>Course Transferable to CSU</i>  <i>Hours: 72 hours LEC</i>  <i>See Experimental Offerings</i></p>					

## Digital Design (DDSN)

<b>DDSN 295</b>	<b>Independent Studies in Digital Design</b>	<b>1-3 Units</b>
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<i>Prerequisite: None.</i>	<i>Hours: 162 hours LAB</i>
<p>This course allows students to have a learning experience in one or more of the areas of graphic design, Web design, and user interface/user experience design, that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member. Formerly known as GCOM 295</p>	

<b>DDSN 299</b>	<b>Experimental Offering in Design and Digital Media</b>	<b>.5-4 Units</b>
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<i>Prerequisite: None</i>	<i>Hours: 72 hours LEC</i>
<p>See Experimental Offerings</p>	

<b>DDSN 301</b>	<b>Graphic Design I</b>	<b>3 Units</b>
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<i>Prerequisite: None.</i>	<i>Advisory: DDSN 310, DDSN 340, GCOM 313 or GCOM 340 with a grade of "C" or better, or equivalent</i>
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<i>Course Transferable to CSU</i>	<i>Hours: 36 hours LEC; 54 hours LAB</i>
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This course prepares students pursuing a career in the graphic communication fields with an in-depth exploration of the principles of graphic design. Strong emphasis is given to the development of visual acumen. Specific focus will be on design and gestalt principles; integration of text and image on the two-dimensional page; and introduction to typographic exploration. This course is a foundation course for all design students and explores interactivity across all forms of visual communication. This course is relevant to students studying graphic design, Web design, and computer animation. Formerly known as GCOM 343
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<b>DDSN 302</b>	<b>Graphic Design II</b>	<b>3 Units</b>
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<i>Prerequisite: DDSN 301 or GCOM 343 with a grade of "C" or better, or equivalent</i>	<i>Course Transferable to CSU</i>
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<i>Hours: 36 hours LEC; 54 hours LAB</i>
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This is an in-depth graphic design course focusing on explorations in page layout design, image creation, and design research. Students will 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. Formerly known as GCOM 345
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<b>DDSN 303</b>	<b>Typography I</b>	<b>3 Units</b>
<p><i>Prerequisite: DDSN 310, DDSN340, GCOM 313 or GCOM 340 with a grade of "C" or better, or equivalent</i>  <i>Course Transferable to CSU</i>  <i>Hours: 36 hours LEC; 54 hours LAB</i>  <i>Typography is the most essential ingredient for successful graphic design, including print, web, and all other new media. This introductory course serves as an essential primer for graphic designers in understanding the history and core principles of typography. Formerly known as GCOM 347</i></p>		

<b>DDSN 305</b>	<b>History of Graphic Design</b>	<b>3 Units</b>
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<i>Prerequisite: None.</i>	<i>General Education: CSU Area C1; IGETC Area 3A</i>	
<p><i>Course Transferable to UC/CSU</i>  <i>Hours: 54 hours LEC</i>  <i>This course surveys the history of visual communication, design's sociopolitical and cultural contexts, and the artistic and technological characteristics of various movements. Students gain a broad understanding of design and its dynamic past to discover inspiration for the present. Students conduct research, propose, and create a project inspired by the designers and movements studied. Formerly known as GCOM 305</i></p>		

<b>DDSN 311</b>	<b>Digital Layout I</b>	<b>3 Units</b>
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<i>Prerequisite: None.</i>	<i>Course Transferable to CSU</i>	
<p><i>Hours: 36 hours LEC; 54 hours LAB</i>  <i>This course is an introduction to graphic design principles related to page layout, composition, and electronic publishing, utilizing an industry-standard software. Students will discover how to effectively utilize the software, the design process, and critical thinking skills to create print projects such as brochures, publications, advertising, business systems, and a variety of other digital materials that follow basic layout and design principles. Formerly known as GCOM 313</i></p>		

<b>DDSN 312</b>	<b>Digital Layout II</b>	<b>3 Units</b>
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<i>Prerequisite: DDSN 311 or GCOM 313 with a grade of "C" or better, or equivalent</i>	<i>Course Transferable to CSU</i>	
<p><i>Hours: 36 hours LEC; 54 hours LAB</i>  <i>This is an in-depth course covering advanced creative layout, production, and electronic publishing in the graphic design industry. Utilizing industry-standard software and process, students will conceive and produce dynamic portfolio-quality projects. Topics include brand and identity design, interactive accessible form design, typography, grid, color theory, composition, multipage publication design, brochure and packaging layout, Gestalt principles, basic interactive media design, print and digital book and publication design, and working with clients. Formerly known as GCOM 314</i></p>		

<b>DDSN 321</b>	<b>Print and Multimedia Publication Design I</b>	<b>3 Units</b>	<b>DDSN 331</b>	<b>Digital Imaging I</b>	<b>3 Units</b>
	<i>Prerequisite: DDSN 310 or GCOM 313 with a grade of "C" or better, or equivalent.</i>		<i>Prerequisite: None.</i>	<i>Course Transferable to UC/CSU</i>	
	<i>Course Transferable to CSU</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>		
	<i>Hours: 36 hours LEC; 54 hours LAB</i>		This introductory course covers the core concepts associated with digital imaging. Adobe Photoshop is used for creating, manipulating, and enhancing digital images for print and screen-based media. Students learn how to effectively use this software in a graphic design environment, planning and carrying out professional digital imaging projects. This course introduces both basic visual design concepts and a comprehensive understanding of digital workflow, providing the student with a foundation for print, web, interactive, animation, and game design projects. Formerly known as GCOM 330		
<b>DDSN 322</b>	<b>Print and Multimedia Publication Design II</b>	<b>3 Units</b>	<b>DDSN 332</b>	<b>Digital Imaging II</b>	<b>3 Units</b>
	<i>Prerequisite: DDSN 321 or GCOM 319 with a grade of "C" or better, or equivalent.</i>		<i>Prerequisite: DDSN 331 or GCOM 330 with a grade of "C" or better or equivalent.</i>	<i>Course Transferable to CSU</i>	
	<i>Course Transferable to CSU</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>		
	<i>Hours: 36 hours LEC; 54 hours LAB</i>		This course centers on graphic design process and production employing advanced image editing techniques using the current version of industry-standard software. In addition to learning advanced capabilities, students will learn how to alter existing images realistically, creatively apply techniques to original artwork and images, visually communicate ideas and messages successfully, and prepare and present their projects to meet professional industry standards. Formerly known as GCOM 331		
<b>DDSN 323</b>	<b>Print and Multimedia Publication Design III</b>	<b>3 Units</b>	<b>DDSN 333</b>	<b>Digital Imaging III</b>	<b>3 Units</b>
	<i>Prerequisite: DDSN 322 or GCOM 320 with a grade of "C" or better, or equivalent.</i>		<i>Prerequisite: DDSN 331 or GCOM 330 with a grade of "C" or better, or equivalent.</i>	<i>Course Transferable to CSU</i>	
	<i>Course Transferable to CSU</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>		
	<i>Hours: 36 hours LEC; 54 hours LAB</i>		This course centers on advanced digital imaging and image editing techniques for Internet, user interface, 3D, and video applications, using the current version of industry-standard software. Students will learn advanced capabilities such as how to alter existing images realistically, creatively apply techniques to original artwork and images, prepare static and animated graphics for use in a variety of digital media, import and alter 3D and video images, visually communicate ideas and messages successfully, and prepare and present their projects to meet professional industry standards. Formerly known as GCOM 332		
			<b>DDSN 335</b>	<b>Digital Imaging – Special Techniques</b>	<b>1.5 Units</b>
			<i>Prerequisite: DDSN 330 or GCOM 330 with a grade of "C" or better, or equivalent experience.</i>	<i>Course Transferable to CSU</i>	
			<i>Hours: 18 hours LEC; 27 hours LAB</i>		
			Students will learn how to use industry-standard digital imaging techniques in the process of creating artistic pieces and a final design project. Through lecture and hands-on exercises, students will learn to create and edit digital image types for any digital, creative, or visual situation. Topics include the use of channels, layers, brushes, filters, typography, color, gradients, and adjustments. Emphasis is placed on gaining creative control over every step in the creative process as well as efficient practices in handling the program. The techniques covered in this course can be applied to various digital media output methods including print design, Web design, 3D animation, and digital video. Formerly known as GCOM 105		

<b>DDSN 341</b>	<b>Digital Illustration for Graphic Design I</b>	<b>3 Units</b>	<b>DDSN 362</b>	<b>Web Design II</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: DDSN 361 or GCOM 361 with a grade of "C" or better, and CISW 320 with a grade of "C" or better, or proof of equivalent experience using HTML and CSS.</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This is an introductory course engaging students in theories of form making, design research, composition, and typography using the medium of digital illustration. Course projects encourage students to experiment, work within creative and technical limitations, and communicate visually. Additionally, students learn how digital illustrations are created, are exposed to a variety of different illustration styles, practice contemporary design methods and thinking, and study a designers' use of digital illustration as a communication tool. This course offers students several processes for designing original graphics and illustrations for graphic design. Formerly known as GCOM 340			In this course, career-minded students will explore advanced concepts of website communications, applying user-centered design principles to improve interactive features. Using an industry-standard CMS (content management system), students will learn to add extensions to the core features, advanced theme customization with CSS, child themes, and customized functions and layouts. Students will improve interaction with users through social media and email marketing, eCommerce, advanced forms and surveys, targeted SEO, and event calendars. Students who complete this course will have the ability to create and manage complex website systems and tools. Students will be required to have or purchase Web hosting and a domain name (\$50-\$75). Formerly known as GCOM 362		
<b>DDSN 342</b>	<b>Digital Illustration for Graphic Design II</b>	<b>3 Units</b>	<b>DDSN 390</b>	<b>Professional Practice and Portfolio</b>	<b>3 Units</b>
<i>Prerequisite: DDSN 341 with a grade of "C" or better; DDSN 341 or GCOM 340 with a grade of "C" or better, or equivalent</i>			<i>Prerequisite: Prior to taking this course, a student will need to have produced at least five finished works to use in the creation of their portfolio.</i>		
<i>Advisory: ART 300 with a grade of "C" or better</i>			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			This course prepares students pursuing occupations in digital media arts and related technologies, including graphic design and communication, web design, user interface design, 3D animation and modeling, and game design, with a portfolio of work, career skills, and knowledge of industry practices essential to these fields. Topics include: organization and physical preparation of a portfolio of work, applying to a four-year college or design program, job and internship searches, soliciting and performing freelance work, setting up a studio, working in an existing firm, developing client relationships, self-promotion, and other resources. Using a combination of lectures and guests from the industry, this course will offer practical advice and philosophical guidance toward gaining a rewarding career in the many digital media and design fields. Formerly known as GCOM 349		
<b>DDSN 360</b>	<b>User Interface Design</b>	<b>3 Units</b>	<b>DDSN 391</b>	<b>Design Studio I</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: DDSN 313 (or GCOM 313) and either DDSN 330 or DDSN 340 (or GCOM 330 or GCOM 340) with a grade of "C" or better, or equivalents – OR – DDSN 360 or DDSN 361 (or GCOM 360 or GCOM 361) with a grade of "C" or better, or equivalent – OR – ANIM 400 or MODL 301 (or GCOM 400 or GCOM 402) with a grade of "C" or better, or equivalent.</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course introduces the fundamentals and principles of contemporary user interface and website design, and the current process and technologies used. The course will provide students with the basics of Web literacy, site and interaction development, information architecture, accessibility, user experience and usability testing, wireframes, prototypes, visual design principles, and process. Students will also create a content management system-based website. Formerly known as GCOM 360			Design Studio I 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 group brainstorming sessions, students will have the opportunity to develop a portfolio of completed projects. Students will also experience deadlines, the client-designer relationship, how to set pricing for projects, and strategies for presenting concepts and design work to a team and client. Formerly known as GCOM 490		
<b>DDSN 361</b>	<b>Web Design I</b>	<b>3 Units</b>			
<i>Prerequisite: DDSN 360 or GCOM 360 with a grade of "C" or better, or equivalent</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
Students will explore theory and processes involved in designing various types of websites using an industry-standard CMS (content management system). Through a series of incremental lectures, reading, and assignments, students will explore theory and processes involved in online communications and integration of online tools, culminating in the development of a live / functional website. This course provides an overview of HTML and CSS, usability (UI/UX), project and client management, preparing images for screens, marketing via social media, prototyping, and responsive design. Students will be required to have or purchase web hosting and a domain name (\$50-\$75). Formerly known as GCOM 361					

<b>DDSN 392</b>	<b>Design Studio II</b>	<b>3 Units</b>	<b>GAME 299</b>	<b>Experimental Offering in Game Design</b>	<b>.5-4 Units</b>
<i>Prerequisite: DDSN 391 or GCOM 490 with a grade of "C" or better</i>			<i>Prerequisite: None</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 72 hours LEC</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>See Experimental Offerings</i>		
Design Studio II introduces intermediate-level skills to career-driven design students. Through lecture, demonstration, client meetings, and group brainstorming sessions, students will have the opportunity to develop a portfolio of completed projects. Students will also experience deadlines, the client-designer relationship, setting prices for projects, and how to present concepts and design work to a team and client.					
Formerly known as GCOM 491					
<b>DDSN 393</b>	<b>Design Studio III</b>	<b>3 Units</b>	<b>GAME 301</b>	<b>Video Game Design</b>	<b>3 Units</b>
<i>Prerequisite: DDSN 392 or GCOM 491 with a grade of "C" or better</i>			<i>Prerequisite: None</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
Design Studio III introduces advanced-level skills to career-driven design students. Through lecture, demonstration, client meetings, and group brainstorming sessions, students will have the opportunity to develop a portfolio of completed projects. Students will also experience deadlines, the client-designer relationship, how setting prices for projects, and how to present concepts and design work to a team and client. Formerly known as GCOM 493			This introductory course to video game design studies the art, technology, and science involved in the creation and development of computer games. The course covers video game history, game theory, design of computer-based games, delivery systems, development cycle, case studies, ethical and social issues, and emerging technologies and trends. This course emphasizes the understanding and the interdisciplinary nature of video game design; this course is not a computer programming course. Formerly known as GCOM 420		
Formerly known as GCOM 493					
<b>DDSN 495</b>	<b>Independent Studies in Digital Design</b>	<b>1-3 Units</b>	<b>GAME 303</b>	<b>Video Game Level Design</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: MODL 302 or GCOM 424 with a grade of "C" or better, or equivalent</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Digital Design offers students a chance to do research and/or experimentation in the areas of graphic design, Web design, and/or user interface/user experience design, that is more typical of advanced studies in this program, studying under the advisement of a Design and Digital Media faculty member. Formerly known as GCOM 495			In this course, students will explore the art of video game level design. The course follows the level designer through the game development process. Using industry standard software, students will develop and refine a three-dimensional video game level. Topics covered include theme, audience, mood, player challenges, level narrative, puzzle design, diagram design, template creation, play-testing, and troubleshooting. The artistic aspects of game design will be emphasized; this course is not a computer programming course. Formerly known as GCOM 426		
Formerly known as GCOM 495					
<b>DDSN 499</b>	<b>Experimental Offering in Design and Digital Media</b>	<b>.5-4 Units</b>	<b>GAME 495</b>	<b>Independent Studies in Game Design</b>	<b>1-3 Units</b>
<i>Prerequisite: None</i>			<i>Prerequisite: None.</i>		
<i>Hours: 72 hours LEC</i>			<i>Course Transferable to CSU</i>		
<i>See Experimental Offerings</i>			<i>Hours: 162 hours LAB</i>		
			This course allows students to have a learning experience in one or more of the areas of game design that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member. UC transfer		

## **Game Design (GAME)**

**GAME 295      Independent Studies in Game Design      1-3 Units**

<b>GAME 299</b>	<b>Experimental Offering in Game Design</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>		
<i>Hours: 72 hours LEC</i>		
See Experimental Offerings		
<b>GAME 301</b>	<b>Video Game Design</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This introductory course to video game design studies the art, technology, and science involved in the creation and development of computer games. The course covers video game history, game theory, design of computer-based games, delivery systems, development cycle, case studies, ethical and social issues, and emerging technologies and trends. This course emphasizes the understanding and the interdisciplinary nature of video game design; this course is not a computer programming course. Formerly known as GCOM 420		
<b>GAME 303</b>	<b>Video Game Level Design</b>	<b>3 Units</b>
<i>Prerequisite: MODL 302 or GCOM 424 with a grade of "C" or better, or equivalent.</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
In this course, students will explore the art of video game level design. The course follows the level designer through the game development process. Using industry standard software, students will develop and refine a three-dimensional video game level. Topics covered include theme, audience, mood, player challenges, level narrative, puzzle design, diagram design, template creation, play-testing, and troubleshooting. The artistic aspects of game design will be emphasized; this course is not a computer programming course. Formerly known as GCOM 426		
<b>GAME 495</b>	<b>Independent Studies in Game Design</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 162 hours LAB</i>		
This course allows students to have a learning experience in one or more of the areas of game design that is not currently covered by other course curriculum. Students will gain new skills, a real-world experience, and portfolio pieces while independently studying under the advisement of a Design and Digital Media faculty member. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC camps. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.		

## **GAME 499 Experimental Offering in Game .5-4 Units**

### **Design**

**Early Childhood Education****ECE****Degrees:**

- A.A. – Child Development with ECE Emphasis
- A.A. – Early Childhood Education Administration
- A.A. – Early Childhood Education Teacher
- AS-T – Early Childhood Education for Transfer

**Certificates of Achievement:**

- Family Child Care
- Infant Care and Education Teacher
- School-Age Care and Education Teacher

**Child Development with ECE Emphasis****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 for students specializing in Early Childhood Education. Students are advised to meet with the Early Childhood Education Coordinator during the development of their education plan to learn about the requirements of the California Commission on Teacher Credentialing and the Child Development Permit process as well as the opportunities to transfer into the California State University Sacramento Child Development Department with an emphasis in Early Childhood Education.

**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.

**Enrollment Eligibility**

To be eligible for enrollment in the program, the student must meet the following criteria:

- show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Pertussis, and Diphtheria. Annual flu shots or physician's exemption from the flu shot are also required prior to participating in the lab.
- have the ability to pass a background check through the Department of Justice and the Federal Bureau of Investigation. Exemptions are granted by the Department of Social Services and the Commission on Teacher Credentialing on an individual basis.
- Upon completion of this program, the student will be able to:
- provide service in the care, development, and education of culturally and linguistically diverse children in early care and education settings.
- demonstrate knowledge of typical and atypical development of children and the many factors influencing development.
- compare and contrast developmentally appropriate educational practices with those that are inappropriate.
- evaluate and assess research, curriculum, program practices, developmental assessments, and other issues in the field of child development and early childhood education.

**Division of Behavioral and Social Sciences**

**Kasey Gardner, Dean**  
**Rodda Hall North, room 226**  
**916-558-2401**

**Required Program**

	<b>Units</b>
ECE 300 Introduction to Principles and Practices in Early Childhood Education .....	3
ECE 312 Child Development.....	3
ECE 314 The Child, the Family and the Community .....	3
ECE 320 Curriculum and Interactions in Early Childhood Education ..	4
ECE 321 Advanced Practicum in Early Childhood Education.....	4
ECE 326 Making Learning Visible Through Observation and Documentation (3).....	3
or ECE 400 Children with Exceptional Needs (3)	
or ECE 402 Infants with Atypical Development (3)	
ECE 430 Culture and Diversity in Early Childhood Education .....	3
A minimum of 9 units from the following: .....	9
ECE 322 Promoting Children's Social Competence (3)	
ECE 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 Required**

32

**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 Science in Early Childhood Education for Transfer is designed to provide a clearly articulated curricular track for Sacramento City College students preparing to transfer in Child Development or Early Childhood Education while also serving the diverse needs of students interested in the breadth and depth of the field. Additionally, this program will expose students to the core principles and practices of the field in order to build a foundation for their future personal, academic, or vocational paths. In addition to transfer, this foundation would be appropriate for students working in early care and development programs.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

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

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### **Enrollment Process**

Students should meet with the Early Childhood Education Coordinator prior to declaring this major.

#### **Career Opportunities**

The Associate in Science in Early Childhood Education for Transfer is designed for transfer to a California State University. Students completing the degree would be prepared to work as teachers in an early care and education program.

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

- demonstrate foundational knowledge of child development and the socializing factors in children's lives.
- model appropriate interactions with children in an early care and education setting with the guidance and support of more experienced staff.
- integrate knowledge of the theories of high quality appropriate care and education of young children into their coursework and teaching interactions with young children.

<b>Required Program</b>	<b>Units</b>
<b>1st Semester:</b>	
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
<b>2nd Semester:</b>	
ECE 320 Curriculum and Interactions in Early Childhood Education ..	4
ECE 415 Children's Health, Safety and Nutrition .....	3
<b>3rd Semester:</b>	
ECE 321 Advanced Practicum in Early Childhood Education.....	4
ECE 326 Making Learning Visible Through Observation and Documentation .....	3
<b>4th Semester:</b>	
ECE 430 Culture and Diversity in Early Childhood Education .....	3
<b>Total Units Required</b>	<b>26</b>

#### **Associate in Science for Transfer Degree**

The Associate in Science in Early Childhood Education for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

## **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.

<b>Required Program</b>	<b>Units</b>
ECE 312 Child Development (3) .....	3
ECE 314 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)..... 3	
or ECE 402 Infants with Atypical Development (3)	
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 302 Computer Skills for Educators (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)	
<b>Total Units Required</b>	<b>38</b>

**Suggested Electives**

ECE 305, 330, 331, 350, 356, 358, 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.

<b>Required Program</b>	<b>Units</b>
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
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 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) .....	3
or ECE 362 Music for Children (3)	
ECE 419 Healthy Young Children in Group Care .....	1
ECE 415 Children's Health, Safety and Nutrition .....	3
ECE 430 Culture and Diversity in Early Childhood Education .....	3
<b>Total Units Required</b>	<b>39</b>

**Suggested Electives**

ECE 305, 330, 331, 350, 356, 358, 415, 420, 422, 450, 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.

<b>Required Program</b>	<b>Units</b>
ECE 305 Introduction to Family Child Care .....	1
ECE 312 Child Development .....	3
ECE 419 Healthy Young Children in Group Care .....	1
ECE 314 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)	
<b>Total Units Required</b>	<b>12 – 15</b>

**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.

<b>Required Program</b>	<b>Units</b>
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
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 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)	
<b>Total Units Required</b>	<b>25 – 26</b>

**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
ECE 350 Introduction to Elementary Teaching with Field Experience (3)..... or ECE 320 Curriculum and Interactions in Early Childhood Education (4)	3 – 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 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.

<b>ECE 190</b>	<b>The Art of Storytelling and Expressive Listening</b>	<b>2 Units</b>	<b>ECE 305</b>	<b>Introduction to Family Child Care 1 Unit</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>	
<i>Hours: 36 hours LEC</i>			<i>Course Transferable to CSU</i>	
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.			<i>Hours: 18 hours LEC</i>	
			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.	
<b>ECE 294</b>	<b>Topics in Early Childhood Education</b>	<b>.5-4 Units</b>	<b>ECE 312</b>	<b>Child Development 3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>	
<i>Hours: 72 hours LEC</i>			<i>Advisory: ENGRD 110 and ENGWR 101; or ESLR 340 and ESLW 340 and ESL 114; and LIBR 318 with grades of "C" or better</i>	
This course is designed to give students an opportunity to study topics in Early Childhood Education that are not included in current offerings.			<i>General Education: AA/AS Area V(b); CSU Area D; CSU Area E1; IGETC Area 4</i>	
			<i>Course Transferable to UC/CSU</i>	
			<i>Hours: 54 hours LEC</i>	
			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.	
<b>ECE 295</b>	<b>Independent Studies in Early Childhood Education</b>	<b>1-3 Units</b>	The material in this course is designed as a foundation for teaching in the elementary school, nursing, early childhood education, and parenting. (C-ID CDEV 100)	
<i>Prerequisite: None.</i>				
<i>Hours: 162 hours LAB</i>				
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.				
<b>ECE 299</b>	<b>Experimental Offering in Early Childhood Education</b>	<b>.5-4 Units</b>	<b>ECE 314</b>	<b>The Child, the Family and the Community 3 Units</b>
<i>Prerequisite: None</i>			<i>Prerequisite: None.</i>	
<i>Hours: 54 hours LEC</i>			<i>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</i>	
See Experimental Offerings.			<i>General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D; CSU Area E1; IGETC Area 4</i>	
			<i>Course Transferable to UC/CSU</i>	
			<i>Hours: 54 hours LEC</i>	
<b>ECE 300</b>	<b>Introduction to Principles and Practices in Early Childhood Education</b>	<b>3 Units</b>	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. (C-ID CDEV 110)	
<i>Prerequisite: None.</i>				
<i>Course Transferable to CSU</i>				
<i>Hours: 54 hours LEC</i>				
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)				
<b>ECE 302</b>	<b>Computer Skills for Educators</b>	<b>3 Units</b>		
<i>Prerequisite: None.</i>				
<i>Course Transferable to CSU</i>				
<i>Hours: 54 hours LEC</i>				
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.				

<b>ECE 320</b>	<b>Curriculum and Interactions in Early Childhood Education</b>	<b>4 Units</b>	<b>ECE 322</b>	<b>Promoting Children's Social Competence</b>	<b>3 Units</b>
<i>Prerequisite: ECE 300 and ECE 312 with grades of "C" or better Enrollment Limitation: Students must show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Diphtheria, Acellular Pertussis (TDAP), measles, and rubella. Annual flu shots, a physician's exemption from the flu shot, or a statement declining the shot are also required prior to participating in the lab.</i>	<i>Prerequisite: None. Course Transferable to CSU Hours: 54 hours LEC</i> <p>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.</p>				
<i>Course Transferable to CSU Hours: 36 hours LEC; 108 hours LAB</i> <p>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 an early learning classroom. In this supervised field experience course, students are enrolled in both a lecture and lab section. During weekly in-class meetings with the instructor, students are presented with the developmentally appropriate theory that grounds curriculum and interactions in high quality early childhood education classrooms. Students are required to take this theory into lab where they have the opportunity to apply and practice what they are learning in the lecture 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 130)</p>	<i>Post Practicum Seminar in Early Childhood Education</i> <i>1 Unit</i> <i>Prerequisite: ECE 320 and 321 with grades of "C" or better; Employment in the Sacramento City College Child Development Center Enrollment Limitation: Students must show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Diphtheria, Acellular Pertussis (TDAP), measles, and rubella. Annual flu shots, a physician's exemption from the flu shot, or a statement declining the shot are also required prior to participating in the lab.</i> <i>Course Transferable to CSU Hours: 18 hours LEC</i> <p>This course is designed for students who have completed both ECE 320 and 321 and are working in a classroom as staff. The course supports students as they transition into taking responsibility for a classroom including ongoing curriculum development, assessment, guidance, and teaching to the needs of individual children. The course includes strategies for working with families and fellow staff members from diverse cultures and backgrounds.</p>				
<b>ECE 321</b>	<b>Advanced Practicum in Early Childhood Education</b>	<b>4 Units</b>	<b>ECE 326</b>	<b>Making Learning Visible Through Observation and Documentation</b>	<b>3 Units</b>
<i>Prerequisite: ECE 300, 312, and 320 with grades of "C" or better Enrollment Limitation: Students must show proof of negative Tuberculosis as well as immunizations or immunity to Tetanus, Diphtheria, Acellular Pertussis (TDAP), measles, and rubella. Annual flu shots, a physician's exemption from the flu shot, or a statement declining the shot are also required prior to participating in the lab.</i> <i>Course Transferable to CSU Hours: 36 hours LEC; 108 hours LAB</i> <p>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)</p>	<i>Prerequisite: ECE 300 and 312 with grades of "C" or better Course Transferable to CSU Hours: 54 hours LEC</i> <p>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)</p>				
	<b>ECE 330</b>	<b>Infant and Toddler Development</b>	<b>3 Units</b>		
	<i>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</i> <p>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.</p>				

<b>ECE 331</b>	<b>Care and Education of Infants and Toddlers</b>	<b>3 Units</b>	<p>This course provides students an opportunity to explore the field of K-8 teaching and the career of teaching. The requirements and education required to attain a teaching credential will be examined. It includes a supervised structured field placement of three hours weekly (minimum of 45 hours per semester) in a local public elementary school with a college-approved certificated teacher. The weekly class meetings focus on the profession of teaching, career selection, children's developmental domains and influences on development such as family, community, race, and culture. The students will practice and develop teaching skills in observation, communication, and cultural competency. Students' field experiences will integrate and apply the course content. (C-ID EDUC 200)</p>
<b>ECE 334</b>	<b>Laboratory with Infants and Toddlers</b>	<b>1 Unit</b>	<p><i>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.</i></p> <p><i>Enrollment Limitation: Current tuberculosis clearance is required prior to participating in lab hours</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LAB</i></p> <p>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.</p>
<b>ECE 342</b>	<b>Constructive Math and Science in Early Childhood Education</b>	<b>3 Units</b>	<p><i>Prerequisite: None.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>
<b>ECE 343</b>	<b>Language and Literacy Development in Early Childhood</b>	<b>3 Units</b>	<p><i>Prerequisite: None.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>
<b>ECE 350</b>	<b>Introduction to Elementary Teaching with Field Experience</b>	<b>3 Units</b>	<p><i>Prerequisite: None.</i></p> <p><i>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.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 36 hours LEC; 54 hours LAB</i></p>
<b>ECE 356</b>	<b>Programs for the School-Age Child</b>	<b>3 Units</b>	<p><i>Prerequisite: None.</i></p> <p><i>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</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>
<b>ECE 358</b>	<b>Activities for the School-Age Child</b>	<b>3 Units</b>	<p><i>Prerequisite: None.</i></p> <p><i>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</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>
<b>ECE 360</b>	<b>Art in Early Childhood</b>	<b>3 Units</b>	<p><i>Prerequisite: None.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>

<b>ECE 362</b>	<b>Music for Children</b>	<b>3 Units</b>	<b>ECE 406</b>	<b>Field Experience Working with Children with Special Needs</b>	<b>4 Units</b>
<i>Prerequisite: None.</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 54 hours LEC</i>					
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.					
<b>ECE 400</b>	<b>Children with Exceptional Needs</b>	<b>3 Units</b>			
<i>Prerequisite: ECE 312 with a grade of "C" or better</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 54 hours LEC</i>					
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.					
<b>ECE 401</b>	<b>Field Experience in Inclusive Settings</b>	<b>1 Unit</b>	<b>ECE 415</b>	<b>Children's Health, Safety and Nutrition</b>	<b>3 Units</b>
<i>Prerequisite: ECE 300 and 312 with grades of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Corequisite: ECE 400</i>			<i>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</i>		
<i>Enrollment Limitation: Students must show evidence of a negative test or chest X-ray clearance for tuberculosis.</i>			<i>General Education: AA/AS Area III(b); CSU Area E1</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LAB</i>			<i>Hours: 54 hours LEC</i>		
This course provides experience working in a school environment with children and youth who have disabilities. It is designed as a laboratory for those who have completed or are concurrently enrolled in ECE 400. The course covers skills for students who want to be general educators, special educators, school and social service providers and/or community members, who are essential in providing inclusive/integrated environments for differently-abled children and youth. Environmental modifications including classroom, school, agency, and community settings are studied. Classroom modifications in curriculum, assessment, behavior management, and instructional methods are examined. This course meets the requirement for special education in inclusive settings.			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)		
<b>ECE 402</b>	<b>Infants with Atypical Development</b>	<b>3 Units</b>	<b>ECE 419</b>	<b>Healthy Young Children in Group Care</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ECE 330 and ECE 312 with grades of "C" or better</i>			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 18 hours LEC</i>		
<i>Hours: 54 hours LEC</i>			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.		
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.					
<b>ECE 420</b>	<b>Administration I: Programs in Early Childhood Education</b>	<b>3 Units</b>			
<i>Prerequisite: ECE 300 and 312 with grades of "C" or better</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 54 hours LEC</i>					
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.					

<b>ECE 422</b>	<b>Administration II: Personnel and Leadership in Early Childhood Education</b>	<b>3 Units</b>	<b>ECE 455</b>	<b>Environment Rating Scales in Early Childhood Programs</b>	<b>1 Unit</b>
	<i>Prerequisite: ECE 320 or 420 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>	
	<i>Advisory: At least one year of experience working with children in a child care and development program.</i>			<i>Course Transferable to CSU</i>	
	<i>Course Transferable to CSU</i>			<i>Hours: 18 hours LEC</i>	
	<i>Hours: 54 hours LEC</i>			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.	
	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.				
<b>ECE 424</b>	<b>Adult Supervision: Mentoring in a Collaborative Learning Setting</b>	<b>2 Units</b>	<b>ECE 495</b>	<b>Independent Studies in Early Childhood Education</b>	<b>1-3 Units</b>
	<i>Prerequisite: None.</i>			<i>Prerequisite: ECE 312 with a grade of "C" or better</i>	
	<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	
	<i>Hours: 36 hours LEC</i>			<i>Hours: 162 hours LAB</i>	
	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.			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.	
<b>ECE 430</b>	<b>Culture and Diversity in Early Childhood Education</b>	<b>3 Units</b>	<b>ECE 498</b>	<b>Work Experience in Early Childhood Education</b>	<b>1-4 Units</b>
	<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>	
	<i>Advisory: ENGWR 101 and ECE 312 with grades "C" or better</i>			<i>Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better.</i>	
	<i>General Education: AA/AS Area VI</i>			<i>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.</i>	
	<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	
	<i>Hours: 54 hours LEC</i>			<i>Hours: 18 hours LEC; 162 hours LAB</i>	
	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)			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.	
<b>ECE 450</b>	<b>Science Activities for School-Age Children</b>	<b>3 Units</b>	<b>ECE 499</b>	<b>Experimental Offering in Early Childhood Education</b>	<b>.5-4 Units</b>
	<i>Prerequisite: None.</i>			<i>Prerequisite: None</i>	
	<i>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</i>			<i>Course Transferable to UC/CSU</i>	
	<i>Enrollment Limitation: Current TB clearance.</i>			<i>Hours: 54 hours LEC; 36 hours LAB</i>	
	<i>Course Transferable to CSU</i>			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.	
	<i>Hours: 54 hours LEC</i>				
	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.				

**Economics****ECON****Degree:****AA-T – Economics for Transfer****Economics****Associate in Arts for Transfer****Program Information**

The Associate in Arts in Economics for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students who complete an Associate Degree for Transfer and transfer to a similar major at a CSU are guaranteed a seamless pathway to finish their baccalaureate degrees in 60 semester or 90 quarter units.

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

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

ADTs also require that students earn a "C" or better in all courses required for the major or area of emphasis.

**Career Opportunities**

There are a wide array of job opportunities in business, finance, government, and other sectors for an individual with an undergraduate degree in economics. Business firms of all sizes provide employment and career opportunities including jobs in banking, budget and market analysis, and in sales. Federal, state, and local government agencies require and employ individuals with training in economics to carry benefit-cost analysis and as research assistants and analysts. Job opportunities also exist in education and journalism. Economies and individual markets are dynamic, and business economists help firms understand and adapt to changes occurring in the economy and in specific markets. Individuals with economics degrees work in a broad range of fields with jobs with federal, state, and local government agencies. Job opportunities are expanding for employment for those seeking jobs with global or international focus.

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

- explain terms and concepts used in macroeconomics and microeconomics.
- analyze models to explore consequences of economic policy proposals on households, businesses, domestic and global economies, and the environment.
- evaluate economic models to explore the consequences of macroeconomic events and the probable consequences of macroeconomic policy proposals for the national and global economy.
- solve problems requiring the application of economics, statistics, and mathematics.
- utilize economic concepts about the nature of the firm, cost and production functions, results under different market structures.

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

- apply quantitative methods in economic analysis including optimization of economic goals including utility and profit maximization.

<b>Required Program</b>	<b>Units</b>
ECON 302 Principles of Macroeconomics.....	3
ECON 304 Principles of Microeconomics.....	3
MATH 400 Calculus I .....	5
STAT 300 Introduction to Probability and Statistics (4) .....	4
or STAT 480 Introduction to Probability and Statistics – Honors (4)	
A minimum of 6 units from the following: .....	6
ACCT 301 Financial Accounting (4)	
ACCT 311 Managerial Accounting (4)	
CISC 310 Introduction to Computer Information Science (3)	
CISP 360 Introduction to Structured Programming (4)	
MATH 350 Calculus for the Life and Social Sciences I (3)	
MATH 370 Pre-Calculus Mathematics (5)	
MATH 401 Calculus II (5)	
MATH 402 Calculus III (5)	
MATH 410 Introduction to Linear Algebra (3)	
<b>Total Units Required</b>	<b>21</b>

**Associate in Arts for Transfer Degree**

The Associate in Arts in Economics for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

**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*

<b>ECON 302      Principles of Macroeconomics      3 Units</b>	<b>ECON 495      Independent Studies in Economics</b>	<b>1-3 Units</b>
<p><i>Prerequisite: MATH 100 or MATH 104 with a grade of "C" or better; or through the assessment process.</i></p> <p><i>General Education: AA/AS Area V(b); CSU Area D2; IGETC Area 4B</i></p> <p><i>Course Transferable to UC/CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>This course describes the interaction among households, business, government, and the foreign sectors of the economy. It analyzes the linkage between money, interest rates, government expenditure, and taxation, in determining the levels of output, employment, prices, incomes, national debt, and balance of trade. (C-ID ECON 202)</p>	<p><i>Prerequisite: None.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 162 hours LAB</i></p> <p>This course is an independent study of an economics topic or research project. It is for students who wish to develop an in-depth understanding in fundamental topics of economics and to learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.</p>	
<b>ECON 304      Principles of Microeconomics      3 Units</b>	<b>ECON 499      Experimental Offering in Economics</b>	<b>.5-4 Units</b>
<p><i>Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.</i></p> <p><i>General Education: AA/AS Area V(b); CSU Area D2; IGETC Area 4B</i></p> <p><i>Course Transferable to UC/CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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)</p>	<p><i>Prerequisite: None</i></p> <p><i>Course Transferable to UC/CSU</i></p> <p><i>Hours: 72 hours LEC</i></p> <p>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.</p>	
<b>ECON 310      Economic Statistics      3 Units</b>		
<p><i>Prerequisite: MATH 120 or 124 with a grade of "C" or better, or placement through the assessment process.</i></p> <p><i>General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2</i></p> <p><i>Course Transferable to UC/CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>This course covers the collection, presentation, analysis, and interpretation of numerical data. Statistical analysis will include central tendency, variation, probability, sampling, inference, analysis of variance, linear regression, and correlation. Statistical analysis using a computer statistics package or graphing calculator is required. This course focuses on statistical concepts commonly used in economics, business, and other behavioral sciences. (Competency: Mathematics)</p>		
<b>ECON 330      Investments and Financial Management      3 Units</b>		
<p><i>Same As: BUS 325</i></p> <p><i>Prerequisite: BUS 320, ECON 302, ECON 304, or MATH 120 with a grade of "C" or better</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>		

## Education/Teaching

### Degree:

- AA-T – Child and Adolescent Development for Transfer
- AA-T – Elementary Teacher Education for Transfer

### Division of Behavioral and Social Sciences

Kasey Gardner, Dean

Rodda Hall North, room 226

916-558-2401



**Associate Degree  
for Transfer**

*A Degree with a Guarantee.*

### Child and Adolescent Development

#### Associate in Arts for Transfer

##### Program Information

The Associate in Arts in Child and Adolescent Development for Transfer is designed to provide a clearly articulated curricular track for Sacramento City College students preparing for seamless transfer in Child Development to pursue an elementary teaching credential at the California State University.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law) are:

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

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis

##### Career Opportunities

This Associate in Arts in Child and Adolescent Development for Transfer is designed for students transferring into Child Development with the goal of teaching in the elementary schools of California. It is aligned with the Child Development Elementary Education Pre-Credential Major.

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

- integrate the developmental theories of child development into his or her implementation of teaching practices and curriculum.
- demonstrate a broad understanding of biological, social, cognitive, and cultural factors influencing children's development and learning.
- incorporate knowledge from areas of general education into his or her knowledge base to facilitate his or her ability to teach in a multiple subject classroom.

##### Required Program

	Units
BIOL 308 Contemporary Biology (3) .....	4
and BIOL 309 Contemporary Biology Laboratory (1)	
ECE 312 Child Development.....	3
ECE 314 The Child, the Family and the Community (3).....	3
ECE 350 Introduction to Elementary Teaching with Field Experience .3	3
PSYC 300 General Principles (3).....	3
or PSYC 480 Honors General Principles (3)	
STAT 300 Introduction to Probability and Statistics (4) .....	4
or STAT 480 Introduction to Probability and Statistics – Honors (4)	
<b>Total Units Required</b>	<b>20</b>

##### Associate in Arts for Transfer Degree

The Associate in Arts in Child and Adolescent Development for Transfer (AA-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.



**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. 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 Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

##### 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.

<b>Required Program</b>	<b>Units</b>
BIOL 308 Contemporary Biology.....	3
BIOL 309 Contemporary Biology Laboratory.....	1
CHEM 330 Adventures in Chemistry (4) .....	7
and PHYS 310 Conceptual Physics (3)	
COMM 301 Introduction to Public Speaking .....	3
COMM 315 Persuasion (3).....	3
or COMM 316 Advanced Argumentation and Critical Thinking (3)	
or ENGWR 302 Advanced Composition and Critical Thinking (3)	
or ENGWR 482 Honors Advanced Composition and Critical Thinking (3)	
or SOC 305 Critical Thinking in the Social Sciences (3)	
ECE 312 Child Development.....	3
ECE 314 The Child, the Family and the Community .....	3
ECE 350 Introduction to Elementary Teaching with Field Experience .....	3
ENGED 305 Structure of English .....	3
ENGWR 300 College Composition (3) .....	3 – 4
or ENGWR 488 Honors College Composition and Research (4)	
ENGWR 303 Argumentative Writing and Critical Thinking Through Literature (4).....	4
GEOG 320 World Regional Geography .....	3
GEOL 305 Earth Science .....	3
GEOL 306 Earth Science Laboratory.....	1
HIST 307 History of World Civilizations to 1500 .....	3
HIST 310 History of the United States (3).....	3
or HIST 320 History of the United States: African-American Emphasis (3)	
or HIST 483 History of the United States – Honors (3)	
MATH 310 Mathematical Discovery (3).....	3 – 4
or STAT 300 Introduction to Probability and Statistics (4)	
MUFHL 305 Music Appreciation (3).....	3
or ARTH 300 Introduction to Art (3)	
or TA 300 Introduction to the Theatre (3)	
POLS 301 Introduction to Government: United States (3).....	3
or POLS 481 Introduction to Government: United States – Honors (3)	
<b>Total Units Required</b>	<b>58-60</b>

#### **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. – Telecommunications Technician

## Certificates of Achievement:

- Automated Systems Technician
- Telecommunications Technician

## 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), a laboratory materials fee may be required. Students will be responsible for providing some electronic parts and purchasing a basic electronics tool kit, which is available from the Department. For specific class-required materials and texts, check with the electronics faculty or the College Store. These fees may vary each semester. If these fees create a financial burden, students should consult the Financial Aid Office for possible assistance.

#### 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.
- install, operate, and maintain modern control equipment such as Programmable Logic Controllers (PLC) and robotic controllers.

## Division of Advanced Technology

Donnetta Webb, Dean

Technology, room 106

916-558-2491

## Required Program

	Units
CISC 310 Introduction to Computer Information Science.....	3
ET 192 Introduction to Robotics .....	2
ET 305 DC/AC Theory and Circuit Fundamentals.....	4
ET 306 Electronics Fabrication and Soldering Techniques.....	2
ET 314 Mathematics for DC/AC Theory and Circuit Fundamentals ....	3
ET 322 Semiconductors and Nanotechnology.....	4
ET 335 Integrated Circuits with Computer Applications .....	4
ET 340 Basic Microprocessors .....	4
ET 362 Modern Electronic Control Technology.....	3
ET 390 Microprocessor Systems – Troubleshooting.....	3
ET 491 Electronics Projects Laboratory I.....	2
ET 492 Electronics Projects Laboratory II.....	2

## Total Units Required

36

## Suggested Electives for the Degree

EDT 310, 352

#### 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.

## 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 modern communication systems and telecommunication licensing. The emphasis of this program is on modern digital high-speed communication. It is designed to prepare students for employment as technicians in the wired and wireless communication of electronic information..Career Opportunities

#### 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.

#### 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>

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

- demonstrate safe work practices for telecommunication equipment.
- demonstrate the proper use of basic telecommunication test equipment to include digital multimeters, oscilloscopes, signal sources.
- use a standard schematic diagram of a telecommunication system to identify and test its parts.
- explain common telecommunication terminology.
- estimate telecommunication system circuit performance using mathematical tools.
- analyze and compare calculated telecommunication system circuit performance to actual performance.
- measure common telecommunication system circuit parameters using appropriate test equipment.
- set up and install basic telecommunication equipment.
- design proper preventive maintenance, calibration, and system testing procedures for telecommunication equipment.
- perform proper preventive maintenance, calibration, and system testing on telecommunication equipment.
- diagnose common telecommunication system failures down to the source of the problem.
- solve telecommunication system problems by replacing failed parts.
- install, operate, and maintain modern control equipment such as Programmable Logic Controllers (PLC).
- examine and evaluate telecommunication systems according to FCC rules and regulations.

<b>Required Program</b>	<b>Units</b>
ET 305 DC/AC Theory and Circuit Fundamentals.....	4
ET 306 Electronics Fabrication and Soldering Techniques.....	2
ET 314 Mathematics for DC/AC Theory and Circuit Fundamentals ....	3
ET 322 Semiconductors and Nanotechnology.....	4
ET 335 Integrated Circuits with Computer Applications .....	4
ET 340 Basic Microprocessors .....	4
ET 362 Modern Electronic Control Technology .....	3
ET 380 Introduction to Electronic Communications.....	4
ET 381 Electronic Communication Regulations.....	3
ET 390 Microprocessor Systems – Troubleshooting.....	3
ET 400 Microwave Communications Techniques .....	4
<b>Total Units Required</b>	<b>38</b>

**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 4 Units Repair I**

*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 3 Units Repair II**

*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 192 Introduction to Robotics 2 Units**

*Prerequisite: None.*

*Hours: 18 hours LEC; 54 hours LAB*

This course is an introduction to robotics utilizing various robotic systems. It explores how robots and microcontrollers interface with common electronic applications. It also investigates various applications for robots and microcontrollers. One or two field trips to local manufacturing facility such as Siemens Transportation may be required.

**ET 210 Applied Mathematics for Electronics 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.

<b>ET 230</b>	<b>Laboratory Practices and Techniques</b>	<b>1 Unit</b>	<b>ET 314</b>	<b>Mathematics for DC/AC Theory and Circuit Fundamentals</b>	<b>3 Units</b>			
<i>Prerequisite: None.</i>								
<i>Advisory: Concurrent enrollment in ET 210.</i>								
<i>Hours: 54 hours LAB</i>								
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.								
<b>ET 240</b>	<b>A Survey of Semiconductor Theory</b>	<b>5 Units</b>						
<i>Prerequisite: ET 220 with a grade of "C" or better or equivalent.</i>								
<i>Hours: 54 hours LEC; 108 hours LAB</i>								
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.								
<b>ET 295</b>	<b>Independent Studies in Electronics Technology</b>	<b>1-3 Units</b>						
<i>Prerequisite: None.</i>								
<i>Hours: 162 hours LAB</i>								
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.								
<b>ET 299</b>	<b>Experimental Offering in Electronics Technology</b>	<b>.5-4 Units</b>						
<i>Prerequisite: None</i>								
<i>Hours: 72 hours LEC</i>								
See Experimental Offerings								
<b>ET 305</b>	<b>DC/AC Theory and Circuit Fundamentals</b>	<b>4 Units</b>						
<i>Prerequisite: None.</i>								
<i>Corequisite: ET 306 and 314</i>								
<i>Course Transferable to CSU</i>								
<i>Hours: 54 hours LEC; 54 hours LAB</i>								
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.								
<b>ET 306</b>	<b>Electronics Fabrication and Soldering Techniques</b>	<b>2 Units</b>						
<i>Prerequisite: None.</i>								
<i>Advisory: Successful completion of or concurrent enrollment in ET 305.</i>								
<i>Course Transferable to CSU</i>								
<i>Hours: 18 hours LEC; 54 hours LAB</i>								
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.								
<b>ET 314</b>	<b>Mathematics for DC/AC Theory and Circuit Fundamentals</b>	<b>3 Units</b>	<b>ET 315</b>	<b>Mathematics for Semiconductor Theory</b>	<b>3 Units</b>			
<i>Prerequisite: One year of high school algebra with a grade of "C" or better, or qualifying mathematics assessment test scores or equivalent.</i>								
<i>Corequisite: ET 305</i>								
<i>General Education: AA/AS Area II(b)</i>								
<i>Course Transferable to CSU</i>								
<i>Hours: 54 hours LEC</i>								
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.								
<b>ET 322</b>	<b>Semiconductors and Nanotechnology</b>	<b>4 Units</b>						
<i>Prerequisite: ET 305 with a grade of "C" or better</i>								
<i>Corequisite: ET 314; completion of or concurrent enrollment in ET 314</i>								
<i>Course Transferable to CSU</i>								
<i>Hours: 54 hours LEC; 54 hours LAB</i>								
This course provides a detailed study of the mathematics required to solve problems in semiconductor circuit theory. Some of these math functions include: vector algebra, load line plotting, decibel theory and application, common and natural log functions, power supply analysis, calculation of input and output bandwidth characteristics of semiconductor amplifiers, use of rate-of-change functions to study slope of lines and their relationship to amplifier impedances, and use of network theorems to simplify complex biasing networks for amplifiers.								
<b>ET 335</b>	<b>Integrated Circuits with Computer Applications</b>	<b>4 Units</b>						
<i>Prerequisite: ET 305 with a grade of "C" or better</i>								
<i>Course Transferable to CSU</i>								
<i>Hours: 54 hours LEC; 54 hours LAB</i>								
This course covers integrated circuits (ICs) and applications used in industrial and consumer products. Topics include digital theory and applications from standard transistor-transistor logic (TTL) logic circuits to complex circuits built on programmable logic devices (PLDs). One or two field trips may be required. This course was formerly known as ET 330.								
<b>ET 340</b>	<b>Basic Microprocessors</b>	<b>4 Units</b>						
<i>Prerequisite: None.</i>								
<i>Course Transferable to CSU</i>								
<i>Hours: 54 hours LEC; 54 hours LAB</i>								
This is a beginning course dealing with the circuitry and use of the microprocessor. Peripheral hardware is also considered so that the student may gain an overview of a complete computer system. The scope of the course includes machine language programming in order to provide a base for understanding the dynamic operation of the entire system. Troubleshooting philosophy is emphasized.								

<b>ET 350</b>	<b>Receiver Circuits</b>	<b>5 Units</b>	<b>ET 390</b>	<b>Microprocessor Systems – Troubleshooting</b>	<b>3 Units</b>
	<i>Prerequisite: ET 315, 322, and 335 with grades of "C" or better or equivalent.</i>			<i>Prerequisite: ET 340 with a grade of "C" or better or equivalent.</i>	
	<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	
	<i>Hours: 54 hours LEC; 108 hours LAB</i>			<i>Hours: 18 hours LEC; 108 hours LAB</i>	
	This course focuses on the principles of radio receivers using AM, FM, and single sideband modulation systems. The course presents associated control circuits and power supply circuitry for receivers.			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.	
<b>ET 360</b>	<b>Electronic Servicing and Calibration Techniques</b>	<b>3 Units</b>	<b>ET 400</b>	<b>Microwave Communications Techniques</b>	<b>4 Units</b>
	<i>Prerequisite: ET 315, 322, and 335 with grades of "C" or better or equivalent.</i>			<i>Prerequisite: ET 315, 322, and 335 with grades of "C" or better or equivalent.</i>	
	<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	
	<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 54 hours LEC; 54 hours LAB</i>	
	This course focuses on developing familiarization with laboratory and test instruments and techniques of calibration and repair. It is a practical step-by-step approach for the beginning technician in the art of troubleshooting techniques on all the electronic equipment available in the electronics laboratory.			This course is a study of electromagnetic waves and antennas. The course presents types of microwave generators, microwave communications systems, and antenna guidance systems. The use of lasers and fiber optics in communications systems and as a source of high tech energy control are presented.	
<b>ET 362</b>	<b>Modern Electronic Control Technology</b>	<b>3 Units</b>	<b>ET 410</b>	<b>Transmitter Fundamentals</b>	<b>5 Units</b>
	<i>Prerequisite: None.</i>			<i>Prerequisite: ET 315, 322, and 335 with grades of "C" or better or equivalent.</i>	
	<i>Corequisite: ET 305; or prior completion of with a grade of "C" or better.</i>			<i>Course Transferable to CSU</i>	
	<i>Course Transferable to CSU</i>			<i>Hours: 54 hours LEC; 108 hours LAB</i>	
	<i>Hours: 36 hours LEC; 54 hours LAB</i>			This is a fundamental course in AM/FM and single side-band transmitters. The course will present students with preparation for employment in the communications industry. It will include instruction in adjustment and tuning of transmitters. Students are presented with symptoms of malfunctions and remedies in troubleshooting transmitters.	
<b>ET 380</b>	<b>Introduction to Electronic Communications</b>	<b>4 Units</b>	<b>ET 491</b>	<b>Electronics Projects Laboratory I</b>	<b>2 Units</b>
	<i>Prerequisite: ET 314 and 322 with grades of "C" or better</i>			<i>Prerequisite: None.</i>	
	<i>Course Transferable to CSU</i>			<i>Corequisite: ET 306; Students may have completed ET 306 previously.</i>	
	<i>Hours: 54 hours LEC; 54 hours LAB</i>			<i>Course Transferable to CSU</i>	
	This course covers electronic communications including UHF, VHF, microwave, satellite, and fiber optics. AM and FM transmitters, transmission lines, antennas, and receivers are analyzed down to the component level. Propagation, wave theory, decibels, and signal transmission limitations are also covered. Technician safety and proper test equipment use are stressed throughout the course. Field trips may be required.			<i>Hours: 108 hours LAB</i>	
				This course provides an opportunity for students to pursue typical electronics projects to learn and practice skills needed in the construction, installation, maintenance, and repair of electronic devices.	
<b>ET 381</b>	<b>Electronic Communication Regulations</b>	<b>3 Units</b>	<b>ET 492</b>	<b>Electronics Projects Laboratory II</b>	<b>2 Units</b>
	<i>Prerequisite: ET 322 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>	
	<i>Advisory: ET 380 with a grade of "C" or better</i>			<i>Corequisite: ET 306; Students may have completed ET 306 previously.</i>	
	<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>	
	<i>Hours: 54 hours LEC</i>			<i>Hours: 108 hours LAB</i>	
	This course provides an overview of the Federal Communication Commission (FCC) General Radiotelephone license requirements. It also covers the electronics theory and the rules and regulations mandated by the FCC.			This course provides an opportunity for students to develop and practice skills necessary for the construction, installation, maintenance, and repair of electronic devices. Students will develop, design, and construct a project under the guidance of the instructor.	

**ET 494      Topics in Electronics Technology      .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: 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

**Degrees:**

- A.S. – Civil Engineering
- A.S. – Electrical/Computer Engineering
- A.S. – Engineering, General
- A.S. – Mechanical/Aeronautical Engineering

**Division of Mathematics/Statistics & Engineering**  
**Dr. Daniel Styer, Dean**  
**Rodda Hall North, room 300**  
**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.

<b>Required Program</b>	<b>Units</b>
CHEM 400 General Chemistry I .....	5
ENGR 300 Introduction to Engineering .....	1
ENGR 312 Engineering Graphics .....	3
ENGR 400 Introduction to Electrical Circuits and Devices .....	3
ENGR 405 Engineering Problem Solving (3) .....	3-4
or CISP 360 Introduction to Structured Programming (4)	
ENGR 412 Properties of Materials .....	4
ENGR 422 Engineering Mechanics, Statics .....	3
MATH 400 Calculus I .....	5
MATH 401 Calculus II .....	5
MATH 402 Calculus III .....	5
MATH 420 Differential Equations .....	4
PHYS 410 Mechanics of Solids and Fluids .....	5
PHYS 420 Electricity and Magnetism .....	5
<b>Subtotal Units</b>	<b>51 – 52</b>
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 II (5)	
<b>Units</b>	<b>12</b>
<b>Total Units Required</b>	<b>63 – 64</b>

**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 I.....	5
ENGR 300 Introduction to Engineering.....	1
ENGR 400 Introduction to Electrical Circuits and Devices .....	3
ENGR 405 Engineering Problem Solving (3) .....	3 – 4
or CISP 360 Introduction to Structured Programming (4)	
MATH 400 Calculus I.....	5
MATH 401 Calculus II.....	5
MATH 402 Calculus III.....	5
MATH 420 Differential Equations.....	4
PHYS 410 Mechanics of Solids and Fluids .....	5
PHYS 420 Electricity and Magnetism.....	5

### Subtotal Units

### 41 – 42

Additional Electrical/Computer Engineering Requirements (Consult with the Engineering Department Chair and Counseling)

CISP 310 Assembly Language Programming for Microcomputers .....	4
ENGR 412 Properties of Materials .....	4
ENGR 422 Engineering Mechanics, Statics.....	3
MATH 410 Introduction to Linear Algebra .....	3
PHYS 430 Heat, Waves, Light and Modern Physics (5) .....	5
or CHEM 401 General Chemistry II (5)	

### Units

### 19

### Total Units Required

### 60 – 61

### 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 I.....	5
ENGR 300 Introduction to Engineering.....	1
ENGR 400 Introduction to Electrical Circuits and Devices .....	3
ENGR 405 Engineering Problem Solving (3) .....	3 – 4

    or CISP 360 Introduction to Structured Programming (4)

MATH 400 Calculus I .....	5
MATH 401 Calculus II .....	5
MATH 402 Calculus III .....	5
MATH 420 Differential Equations.....	4
PHYS 410 Mechanics of Solids and Fluids .....	5

PHYS 420 Electricity and Magnetism.....	5
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### 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 .....	4
ENGR 422 Engineering Mechanics, Statics.....	3
MATH 410 Introduction to Linear Algebra .....	3
PHYS 430 Heat, Waves, Light and Modern Physics (5) .....	5

    or CHEM 401 General Chemistry II (5)

Units	18
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### Total Units Required

### 59 – 60

### 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:

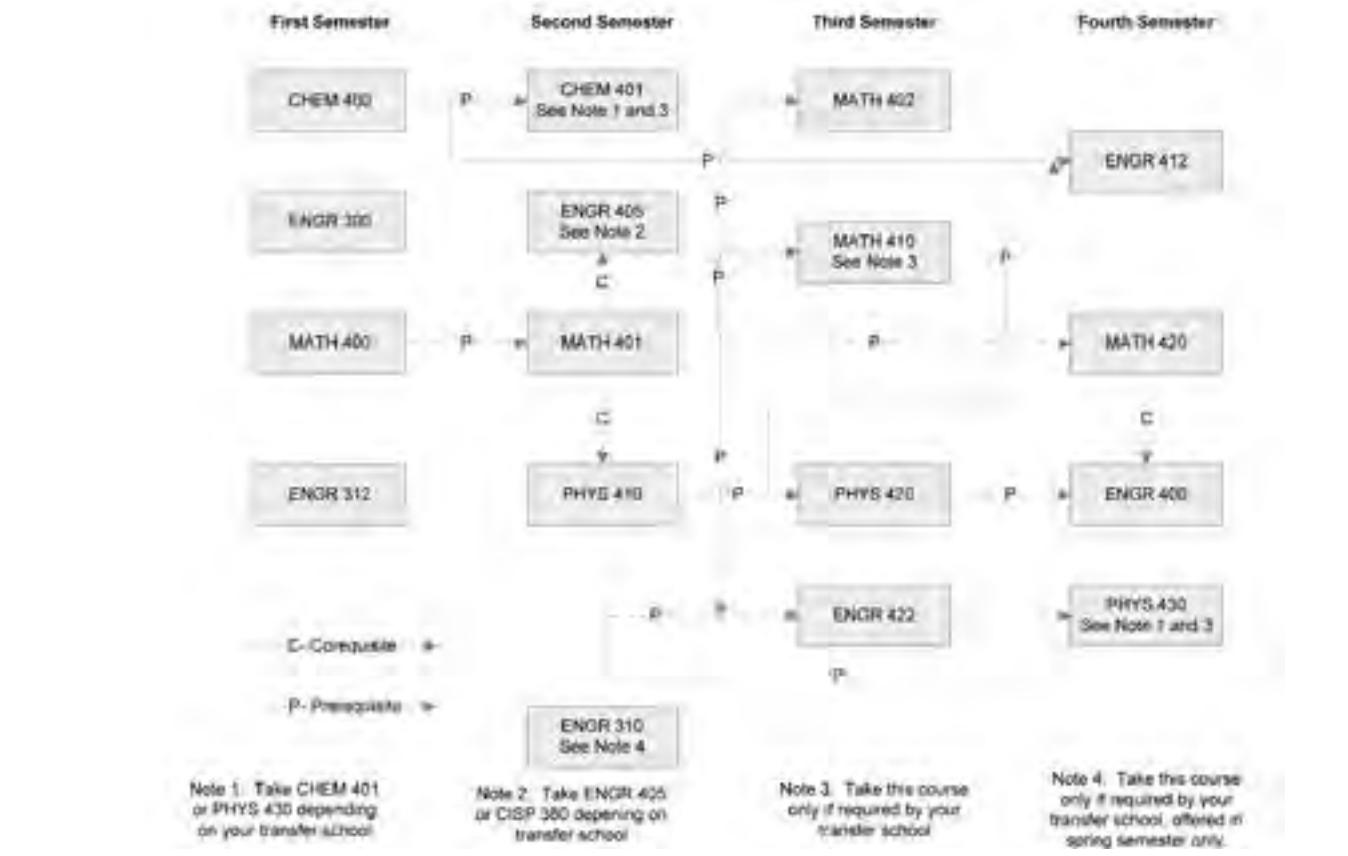
- solve problems by applying knowledge of mathematics through differential and integral calculus, differential equations and linear algebra.
- solve problems by applying knowledge of science including chemistry and physics.
- use technology to enhance their productivity.
- apply knowledge of mathematics, 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.

<b>Required Program</b>	<b>Units</b>
CHEM 400 General Chemistry I.....	5
ENGR 300 Introduction to Engineering.....	1
ENGR 312 Engineering Graphics.....	3
ENGR 400 Introduction to Electrical Circuits and Devices .....	3
ENGR 405 Engineering Problem Solving (3) .....	3 – 4
or CISP 360 Introduction to Structured Programming (4)	
ENGR 412 Properties of Materials .....	4
ENGR 422 Engineering Mechanics, Statics.....	3
MATH 400 Calculus I .....	5
MATH 401 Calculus II .....	5
MATH 402 Calculus III .....	5
MATH 420 Differential Equations.....	4
PHYS 410 Mechanics of Solids and Fluids .....	5
PHYS 420 Electricity and Magnetism.....	5
<b>Subtotal Units</b>	<b>51 – 52</b>
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 II (5)	
<b>Units</b>	<b>8</b>
<b>Total Units Required</b>	<b>59 – 60</b>

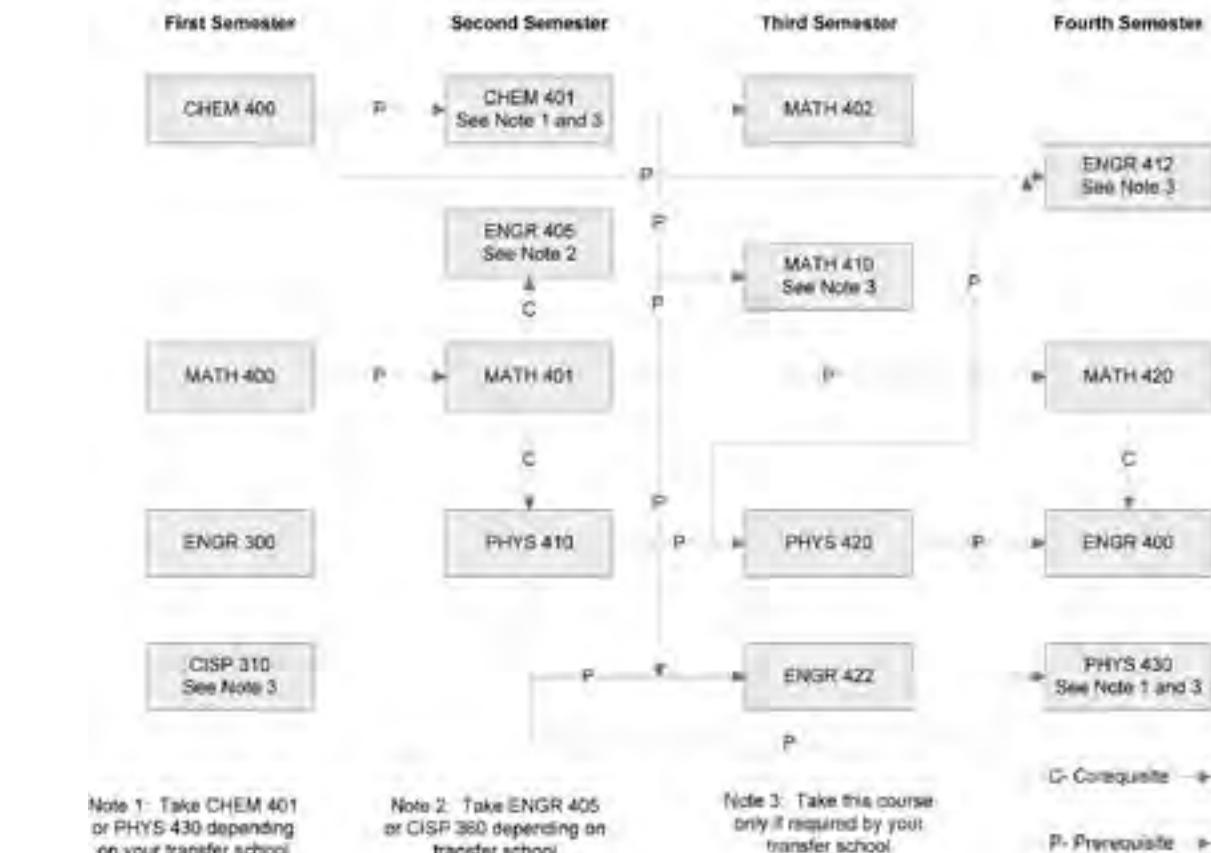
#### Associate in Science (A.S.) Degree

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.

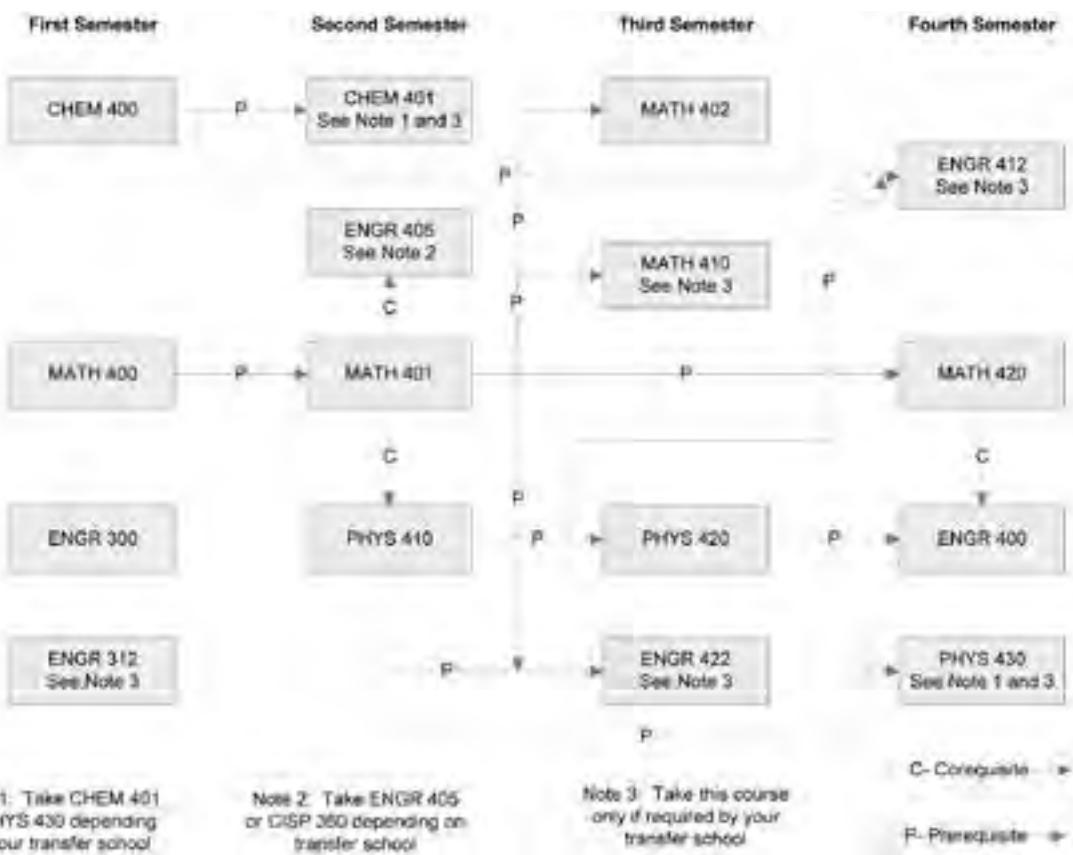
# Civil Engineering Course Flow



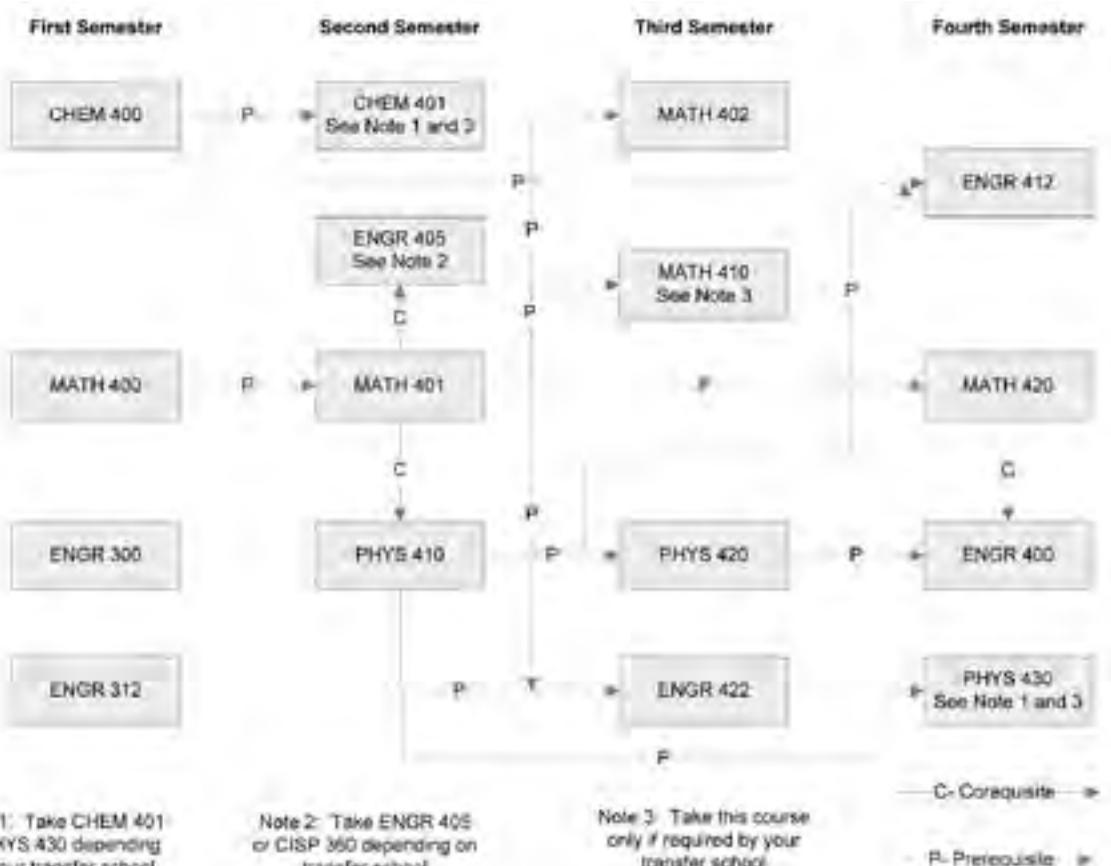
## **Electrical/Computer Engineering Course Flow**



## General (Undecided) Engineering Course Flow



## Mechanical/Aeronautical Engineering Course Flow



## Engineering (ENGR)

<b>ENGR 300      Introduction to Engineering</b>	<b>1 Unit</b>	<b>ENGR 405      Engineering Problem Solving      3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: MATH 401 with a grade of "C" or better or concurrent enrollment in MATH 401.</i>
<i>Course Transferable to UC/CSU</i>		<i>Advisory: It is expected that the student has experience and knowledge in the use of a personal computer.</i>
<i>Hours: 18 hours LEC</i>		<i>Course Transferable to UC/CSU</i>
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.		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.
<b>ENGR 310      Engineering Survey Measurements</b>	<b>4 Units</b>	<b>ENGR 412      Properties of Materials      4 Units</b>
<i>Prerequisite: MATH 335 with a grade of "C" or better</i>		<i>Prerequisite: CHEM 400 and PHYS 410 with grades of "C" or better</i>
<i>Advisory: Completion of or concurrent enrollment in a basic drafting course such as ENGR 312.</i>		<i>Course Transferable to UC/CSU</i>
<i>Course Transferable to UC/CSU</i>		<i>Hours: 54 hours LEC; 54 hours LAB</i>
<i>Hours: 54 hours LEC; 54 hours LAB</i>		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.
<b>ENGR 312      Engineering Graphics</b>	<b>3 Units</b>	<b>ENGR 422      Engineering Mechanics, Statics      3 Units</b>
<i>Prerequisite: MATH 335 with a grade of "C" or better</i>		<i>Prerequisite: MATH 401 and PHYS 410 with grades of "C" or better</i>
<i>Advisory: It is expected that the student has experience and knowledge of the use of a personal computer.</i>		<i>Advisory: Completion of a drafting course prior to enrolling in this course will facilitate the analysis of statics problems.</i>
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>
<i>Hours: 36 hours LEC; 72 hours LAB</i>		<i>Hours: 54 hours LEC</i>
This course provides fundamental training in the use of hand-drawing instruments and Computer Aided Design/Drafting (CADD) software to analyze, interpret, and solve engineering problems. Topics covered include elements of drafting, descriptive geometry, multi-view drawing, design process, and solution of engineering problems, culminating in a design project.		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. (C-ID ENGR 180)
<b>ENGR 400      Introduction to Electrical Circuits and Devices</b>	<b>3 Units</b>	<b>ENGR 495      Independent Studies in Engineering      1-3 Units</b>
<i>Prerequisite: PHYS 420 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>
<i>Corequisite: MATH 420</i>		<i>Course Transferable to CSU</i>
<i>Course Transferable to UC/CSU</i>		<i>Hours: 162 hours LAB</i>
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. (C-ID ENGR 260)		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.
<b>ENGR 499      Experimental Offering in Engineering</b>		<b>.5-4 Units</b>
<i>Prerequisite: None</i>		
<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC; 36 hours LAB</i>		
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. – Mechanical (HVAC/Piping/Plumbing Systems)
- A.S. – Surveying/Geomatics

**Division of Advanced Technology**  
**Donnetta Webb, Dean**  
**Technology, room 106**  
**916-558-2491**

**Certificates of Achievement:**

- Architectural/Structural Drafting
- CAD Technology
- Electric (Power-Lighting Systems)
- Engineering Design Technology
- Mechanical (HVAC/Piping/Plumbing Systems)
- Surveying/Geomatics

## **Architectural/Structural Drafting**

### **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 Architectural design utilizing CAD design and drafting applications in architectural, engineering, manufacturing, or construction related offices.

Some students may also pursue four-year degrees in Architecture, Engineering, Manufacturing, Construction, or Project Management. Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses.

**Program Costs**

Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

**Recommended High School Preparation**

Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

**Career Opportunities**

Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer, Electrical Drafter/Designer, Structural Drafter/Designer, Topographical Drafter/Designer, General Construction Drafter/Designer, General Construction Estimator, Computer Aided Drafter, or Technical Sales representatives.

Some students may also pursue four-year degrees in Architecture, Engineering, Manufacturing, Construction, or Project Management.

**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>

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

- prepare architectural plans for buildings using CAD software that conform with current industry standards.
- demonstrate the process of architectural design by applying design principles to building design projects.
- demonstrate application of CAD software programs used by industry in the design process.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT, and CREO) by preparing 3D computer engineering and architectural models.

<b>Required Program</b>	<b>Units</b>
EDT 310 Technical Graphics With CAD I.....	3
EDT 312 Technical Graphics With CAD II.....	3
EDT 316 REVIT-Architectural .....	3
EDT 317 REVIT-MEP .....	3
EDT 318 Beginning 3D Modeling-CREO .....	3
EDT 320 Architectural/Structural Drafting.....	4
A minimum of 6 units from the following:.....	6
EDT 332 Building Mechanical Design Documents (3)	
EDT 336 Building Mechanical Systems Design (3)	
EDT 340 Plumbing and Piping Systems Design I (3)	
EDT 342 Plumbing and Piping Systems Design II (3)	
EDT 352 Building Electrical Design Documents (3)	
EDT 356 Building Electrical Systems Design (3)	
EDT 498 Work Experience in Engineering Design Technology (1 – 4)	
MATH 335 Trigonometry with College Algebra (5)	
SURVY 300 Elementary Surveying (4)	
SURVY 310 Survey Map Production (4)	

**Total Units Required** 25

**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.

## CAD Technology

### Certificate of Achievement

#### Program Information

This certificate is designed for students pursuing employment or upgrade in employment in fields that utilize CAD software to perform design, modeling, and drafting, including but not limited to: architecture, engineering, manufacturing, research and construction.

#### Program Costs

Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

#### Recommended High School Preparation

Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

#### Career Opportunities

This certificate is designed for students pursuing entry-level employment or upgrade in employment in fields that utilize CAD software to perform design, modeling and drafting, including but not limited to: Architecture, Engineering, Manufacturing, Research, and Construction.

Depending on their technical field of interest and capabilities, students who complete the certificate may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainee, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

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

- use CAD and modeling software to the fields of architecture and engineering design, modeling, manufacturing, and construction.
- utilize CAD and modeling software to prepare computer models and design drawings of architectural and engineering related projects.

Required Program	Units
EDT 310 Technical Graphics With CAD I.....	3
EDT 312 Technical Graphics With CAD II.....	3
EDT 315 Beginning 3D Modeling-SolidWorks .....	3
EDT 316 REVIT-Architectural .....	3
EDT 317 REVIT-MEP .....	3
EDT 318 Beginning 3D Modeling-CREO .....	3
EDT 319 Advanced 3D Modeling/Rapid Prototyping .....	3
<b>Total Units Required</b>	<b>21</b>

#### 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 (1) building Electrical power and lighting systems design or (2) mechanical component design utilizing 2D and 3D CAD design and drafting software applications in architectural, engineering, manufacturing, or construction related offices.

Some students may also pursue four-year degrees in Architecture, Engineering, Manufacturing, Construction, or Project Management. Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses. General Education courses complete the recommended classes for the Engineering Design Technology curriculum.

#### Program Costs

Normal student expenses for textbooks, personal equipment, and supplies are required. These expenses may vary each semester. If these expenses create a financial burden, students should consult the Financial Aid Office for possible assistance.

#### Recommended High School Preparation

Completion of English and general mathematics. It is desirable, but not required, that a student complete courses in drafting, industrial arts shop courses, one year of algebra, plane geometry, general science, and introduction to computers.

The program is open to all students. For information call (916) 650-2758 or (916) 558-2491.

#### Career Opportunities

This program is designed for students pursuing entry level employment in architectural, electrical, and mechanical engineering, and commercial construction drafting fields.

Some students may also pursue four-year degrees in Architecture, Engineering, Construction, or Project Management.

Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

#### 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>

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

- perform design calculations and prepare electrical plans for building electrical systems that conform with current industry and ANSI standards.
- demonstrate the process of electrical design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT and CREO) by preparing 3D computer engineering and architectural models.
- demonstrate the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

<b>Required Program</b>	<b>Units</b>
EDT 310 Technical Graphics With CAD I.....	3
EDT 312 Technical Graphics With CAD II.....	3
EDT 316 REVIT-Architectural .....	3
EDT 317 REVIT-MEP.....	3
EDT 318 Beginning 3D Modeling-CREO .....	3
EDT 352 Building Electrical Design Documents.....	3
EDT 356 Building Electrical Systems Design.....	3
A minimum of 6 units from the following: .....	6
EDT 320 Architectural/Structural Drafting (4)	
EDT 332 Building Mechanical Design Documents (3)	
EDT 336 Building Mechanical Systems Design (3)	
EDT 340 Plumbing and Piping Systems Design I (3)	
EDT 342 Plumbing and Piping Systems Design II (3)	
EDT 498 Work Experience in Engineering Design Technology (1 – 4)	
MATH 335 Trigonometry with College Algebra (5)	
SURVY 300 Elementary Surveying (4)	
SURVY 310 Survey Map Production (4)	
<b>Total Units Required</b>	<b>27</b>

**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.

**Career Opportunities**

This program is designed for students pursuing entry level employment in Architecture, Electrical and Mechanical Engineering, and commercial construction drafting fields.

Depending on their technical field of interest and capabilities, students who complete the program may find employment in any of the following types of jobs: Engineering Aide I, Engineering Aide II, Drafting Aide I, Drafting Aide II, Junior Drafter, Architectural Drafter, Mechanical Drafter/Designer Trainee, Electrical Drafter/Designer Trainee, Structural Drafter/Designer Trainer, Topographical Drafter/Designer Trainee, General Construction Drafter/Designer Trainee, General Construction Estimator Trainee, Computer Aided Drafter, or Technical Sales representatives.

Some students may also pursue four-year degrees in Architecture, Engineering, Construction, or Project Management.

**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.

The program is open to all students. For information call 916-650-2758 or 558-2491.

**Transfer Students**

Students who, after completing this program, are planning to continue specialization in this field by transferring to a four-year college, should consult the Requirements of Transfer Institutions section in this catalog and the engineering or related major sections of the specific catalog for the institution to which they wish to transfer. Consultation with an SCC counselor is advised.

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

- prepare architectural, mechanical, and electrical plans for buildings that conform with current industry and ANSI standards.
- demonstrate the processes of building architectural, mechanical, and electrical design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT, and CREO) by preparing 3D computer engineering and architectural models.
- demonstrate the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

<b>Required Program</b>	<b>Units</b>
EDT 310 Technical Graphics With CAD I.....	3
EDT 312 Technical Graphics With CAD II.....	3
EDT 316 REVIT-Architectural .....	3
EDT 317 REVIT-MEP.....	3
EDT 318 Beginning 3D Modeling-CREO .....	3
EDT 320 Architectural/Structural Drafting.....	4
EDT 332 Building Mechanical Design Documents .....	3
EDT 336 Building Mechanical Systems Design .....	3
EDT 340 Plumbing and Piping Systems Design I .....	3
EDT 342 Plumbing and Piping Systems Design II .....	3
EDT 352 Building Electrical Design Documents .....	3
EDT 356 Building Electrical Systems Design.....	3
<b>Total Units Required</b>	<b>37</b>

**Suggested Electives**

ARTH 314, BUS 300, 310; CHEM 400, CISC 310, CISP 301, COMM 301, 321, 325, 331, 335, 361; ECON 302, 304, 310; HCD 310, 330, PHYS 410

**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 fields of (1) building Mechanical design (Heating, Ventilation, and Air Conditioning HVAC, Plumbing and Piping or (2) mechanical component design utilizing 2D and 3D CAD design and drafting software applications in architectural, engineering, manufacturing, or construction related offices.

Engineering Design Technology is studied in lecture and drafting practice classes. Mathematics, science, and engineering fundamentals, which are all related to the content of this program, are studied in the Engineering Design Technology program or through recommended elective courses. General Education courses complete the recommended classes for the Engineering Design Technology curriculum.

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:

- perform design calculations and prepare mechanical and plumbing plans for building mechanical and plumbing systems that conform with current industry and ANSI standards.
- demonstrate the processes of mechanical and plumbing design by applying design principles to building design projects.
- demonstrate proficiency in CAD software programs (AutoCAD, REVIT, and CREO) by preparing 3D computer engineering and architectural models.
- demonstrate the processes of rapid prototyping of components represented by 3D computer engineering and architectural models.

### Required Program

	Units
EDT 310 Technical Graphics With CAD I.....	3
EDT 312 Technical Graphics With CAD II.....	3
EDT 316 REVIT-Architectural .....	3
EDT 317 REVIT-MEP .....	3
EDT 318 Beginning 3D Modeling-CREO .....	3
EDT 332 Building Mechanical Design Documents .....	3
EDT 336 Building Mechanical Systems Design .....	3
EDT 340 Plumbing and Piping Systems Design I .....	3
EDT 342 Plumbing and Piping Systems Design II .....	3

A minimum of 5 units from the following: ..... 5

EDT 320 Architectural/Structural Drafting (4)

EDT 352 Building Electrical Design Documents (3)

EDT 356 Building Electrical Systems Design (3)

EDT 498 Work Experience in Engineering Design Technology (1 – 4)

MATH 335 Trigonometry with College Algebra (5)

SURVY 300 Elementary Surveying (4)

SURVY 310 Survey Map Production (4)

### Total Units Required

32

### 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

### 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.

<b>Required Program</b>	<b>Units</b>
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)	
<b>Total Units Required</b>	<b>26</b>

#### **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 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      Technical Graphics With CAD I      3 Units**

*Prerequisite: None.  
Course Transferable to UC/CSU  
Hours: 36 hours LEC; 54 hours LAB*

This course introduces the process of technical documentation preparation for design, architectural, and engineering students. Topics include basic sketching, scale reading, drafting conventions, industry design terminology, orthographic and pictorial drawings, dimensioning techniques and sections. Computer-assisted drafting (CAD) topics include CAD techniques, software settings, and commands required to produce design drawings that conform to current industry standards. Students prepare a portfolio of their work.

### **EDT 312      Technical Graphics With CAD II      3 Units**

*Prerequisite: EDT 310 with a grade of "C" or better  
Course Transferable to UC/CSU*

*Hours: 36 hours LEC; 54 hours LAB*

This is a second course in technical documentation preparation for design, architectural and engineering students. Topics include auxiliary views, revolutions, patterns, isometric drawings, sections and plan set preparation. Advanced CAD topics include geometric calculator; dimensioning styles and techniques; dynamic and parametric symbols; CAD layer management; filters and selection sets; attributes; data extraction; bill of materials; program customization, preferences and profiles; plotting techniques and scripts. This course offers in-service training and upward mobility training to the professional CAD drafter. Emphasis is on in-office related production skills, advanced commands and program customization. Students prepare a portfolio of their work.

### **EDT 314      Advanced Computer Assisted Drafting and Design      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 315      Beginning 3D Modeling- SolidWorks      3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 36 hours LEC; 54 hours LAB*

This course provides instruction in the CAD 3D modeling and mechanical design automation software program SolidWorks, and will cover the basics of creating, editing and storing 3D models. Topics include the proper application of design concepts using SolidWorks to create and edit three-dimensional solid parts and assemblies, and orthographic projections from the solid geometry. Rapid prototyping may be presented in the course.

### **EDT 316      REVIT-Architectural      3 Units**

*Prerequisite: EDT 310 with a grade of "C" or better*

*Course Transferable to CSU*

*Hours: 36 hours LEC; 54 hours LAB*

This course provides instruction in the AutoDesk software package REVIT with a focus on architecture. Topics covered include but are not limited to: Building Information Modeling (BIM), parametric 3D design, tools for creating and analyzing architectural project designs, and automated tools for documentation.

<b>EDT 317</b>	<b>REVIT-MEP</b>	<b>3 Units</b>	<b>EDT 336</b>	<b>Building Mechanical Systems Design</b>	<b>3 Units</b>
<i>Prerequisite: EDT 310 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Advisory: Concurrent enrollment in EDT 332.</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to CSU</i>		
This course provides instruction in the AutoDesk software package REVIT with a focus on MEP (Mechanical Electrical Plumbing). Topics covered include but are not limited to: Building Information Modeling (BIM), parametric 3D design tools for creating and analyzing HVAC, plumbing and piping systems, and power, lighting, and signal systems.			<i>Hours: 54 hours LEC</i>		
<b>EDT 318</b>	<b>Beginning 3D Modeling-CREO</b>	<b>3 Units</b>	<b>EDT 340</b>	<b>Plumbing and Piping Systems Design I</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Advisory: Concurrent enrollment in EDT 342.</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to CSU</i>		
This course provides an introduction to Creo mechanical design software. Topics covered include, but are not limited to: 3D modeling, parametric design, model relations, tools for creating and analyzing projects, and detail and assembly drawings.			<i>Hours: 54 hours LEC</i>		
<b>EDT 319</b>	<b>Advanced 3D Modeling/ Rapid Prototyping</b>	<b>3 Units</b>	<b>EDT 342</b>	<b>Plumbing and Piping Systems Design II</b>	<b>3 Units</b>
<i>Prerequisite: EDT 318 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Advisory: Concurrent enrollment in EDT 340.</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to CSU</i>		
This course provides advanced study in 3D mechanical design software. Topics covered include, but are not limited to: detailing, Geometric Dimensioning and Tolerancing (GD & T), general tolerancing, wire frame, surfacing, parametric 3D solid modeling model relations, tools for creating and analyzing projects, detail and assembly drawings, 3D printing, an introduction to CNC machining, 3D scanning, laser and other cutting technologies, and Rapid Prototyping.			<i>Hours: 54 hours LEC</i>		
<b>EDT 320</b>	<b>Architectural/Structural Drafting</b>	<b>4 Units</b>	<b>EDT 352</b>	<b>Building Electrical Design Documents</b>	<b>3 Units</b>
<i>Prerequisite: EDT 310 with grades of "C" or better or equivalent (may be taken concurrently with EDT 320).</i>			<i>Prerequisite: EDT 310 with a grade of "C" or better; or concurrent enrollment in EDT 310</i>		
<i>Course Transferable to CSU</i>			<i>Advisory: EDT 356 with a grade of "C" or better; Concurrent enrollment in EDT 356.</i>		
<i>Hours: 36 hours LEC; 108 hours LAB</i>			<i>Course Transferable to CSU</i>		
This course provides instruction in drafting practices involving building construction drawings and specifications and surveying practices related to architectural and engineering construction work.			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<b>EDT 332</b>	<b>Building Mechanical Design Documents</b>	<b>3 Units</b>	<b>EDT 356</b>	<b>Building Electrical Systems Design</b>	<b>3 Units</b>
<i>Prerequisite: EDT 310 with a grade of "C" or better; or concurrent enrollment in EDT 310</i>			<i>Prerequisite: None.</i>		
<i>Advisory: EDT 336 with a grade of "C" or better; or concurrent enrollment in EDT 336.</i>			<i>Advisory: Concurrent enrollment in EDT 352.</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 54 hours LEC</i>		
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.			This is a basic course on electrical systems for residential and commercial buildings with emphasis on practical industry, materials, methods, and California Title 24 electrical codes. EDT 352 should be taken concurrently with this course.		

**EDT 494      Topics in Engineering Design    .5-4 Units****Technology***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                  1-3 Units****Engineering Design Technology***Prerequisite: None.**Course Transferable to CSU**Hours: 162 hours LAB*

This course is for students who wish to develop an in-depth understanding in fundamental topics of Engineering Design Technology and to learn to work in a collaborative atmosphere with instructors and other students. Instructor approval is required to enroll in this course. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

**EDT 498      Work Experience in                  1-4 Units****Engineering Design Technology***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                  .5-4 Units****Engineering Design Technology***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.

**SURVY 310      Survey Map Production****4 Units***Prerequisite: None.**Course Transferable to CSU**Hours: 45 hours LEC; 81 hours LAB*

This course provides an exposure to the special procedures and requirements unique to computer-assisted survey mapping. Fundamental survey drafting methods and types of maps will be stressed. Conformance with local agency and State of California mapping requirements will be addressed. Students will work with state of the art computer hardware and software to produce industry standard survey maps.

**SURVY 320      Advanced Survey****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.

<b>SURVY 330 Special Surveying Projects</b>	<b>4 Units</b>	<b>SURVY 495 Independent Studies in Surveying</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 45 hours LEC; 81 hours LAB</i>		<i>Hours: 162 hours LAB</i>	
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.		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.	
<b>SURVY 340 Basics of Photogrammetry</b>	<b>3 Units</b>	<b>SURVY 498 Work Experience in Surveying</b>	<b>1-4 Units</b>
<i>Prerequisite: SURVY 320 with a grade of "C" or better, or equivalent work experience.</i>		<i>Prerequisite: None</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 18 hours LEC; 75 hours LAB</i>	
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.		See Work Experience	
<b>SURVY 350 Boundary Control and Legal Principles</b>	<b>4 Units</b>	<b>SURVY 499 Experimental Offering in Surveying</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 72 hours LEC</i>		<i>Hours: 54 hours LEC; 54 hours LAB</i>	
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.		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.	
<b>SURVY 352 Evidence and Procedures for Boundary Location</b>	<b>4 Units</b>		
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 72 hours LEC</i>			
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.			
<b>SURVY 360 Survey Business Practices</b>	<b>3 Units</b>		
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 54 hours LEC</i>			
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.			

**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**

**Dr. Robin Ikegami, Dean**  
**Rodda Hall South, room 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**

	<b>Units</b>
ENGWR 300 College Composition (3) .....	3 – 4
or ENGWR 488 Honors College Composition and Research (4)	
ENGW 303 Argumentative Writing and Critical Thinking Through Literature .....	4
ENGLT 310 English Literature I.....	3
ENGLT 311 English Literature II.....	3
ENGLT 320 American Literature I .....	3
ENGLT 321 American Literature II .....	3
A minimum of 9 units from the following: .....	9
ENGCW 400 Creative Writing (3)	
ENGCW 410 Fiction Writing Workshop (3)	
ENGCW 420 Poetry Writing Workshop (3)	
ENGCW 431 Autobiography Writing Workshop (3)	
ENGED 305 Structure of English (3)	
ENGLT 303 Introduction to the Short Story (3)	
ENGLT 304 Introduction to Poetry (3)	
ENGLT 317 The English Bible as Literature (3)	
ENGLT 327 Literature of California (3)	
ENGLT 331 African-American Literature (1730-1930) (3)	
ENGLT 332 African-American Literature (1930-Present) (3)	
ENGLT 334 Asian-American Literature (3)	
ENGLT 335 Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345 Mythologies of the World (3)	
ENGLT 346 Latin American Literature (3)	
ENGLT 360 Women in Literature (3)	
ENGLT 365 Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)	
ENGLT 370 Children and Literature (3)	
ENGLT 380 Introduction to Shakespeare (3)	
ENGLT 392 Science Fiction and Fantasy (3)	
ENGLT 400 Introduction to Film (3) or TAFLIM 300 Introduction to Film (3)	
ENGLT 401 Women in Film and Literature (3)	
ENGLT 403 Film Adaptations (3)	
ENGLT 404 Documentary Film Studies (3)	
ENGLT 480 World Literature: Antiquity to the Early Modern World – Honors (3)	
ENGLT 481 World Literature: Seventeenth Century to Present – Honors (3)	

**Total Units 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.



## 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 Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtaining 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 I (3)	
ENGLT 311 English Literature II (3)	
ENGLT 320 American Literature I (3)	
ENGLT 321 American Literature II (3)	
A minimum of 9 units from the following: .....	9
ENGCW 400 Creative Writing (3)	
ENGCW 410 Fiction Writing Workshop (3)	
ENGCW 420 Poetry Writing Workshop (3)	
ENGCW 431 Autobiography Writing Workshop (3)	
ENGED 305 Structure of English (3)	
ENGLT 303 Introduction to the Short Story (3)	
ENGLT 304 Introduction to Poetry (3)	
ENGLT 317 The English Bible as Literature (3)	
ENGLT 327 Literature of California (3)	
ENGLT 331 African-American Literature (1730-1930) (3)	
ENGLT 332 African-American Literature (1930-Present) (3)	
ENGLT 334 Asian-American Literature (3)	
ENGLT 335 Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 345 Mythologies of the World (3)	
ENGLT 346 Latin American Literature (3)	

- ENGLT 360 Women in Literature (3)
- ENGLT 365 Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)
- ENGLT 370 Children and Literature (3)
- ENGLT 380 Introduction to Shakespeare (3)
- ENGLT 392 Science Fiction and Fantasy (3)
- ENGLT 400 Introduction to Film (3)  
or TAFLM 300 Introduction to Film (3)
- ENGLT 401 Women in Film and Literature (3)
- ENGLT 403 Film Adaptations (3)
- ENGLT 404 Documentary Film Studies (3)
- ENGLT 480 World Literature: Antiquity to the Early Modern World – Honors (3)
- ENGLT 481 World Literature: Seventeenth Century to Present – Honors (3)

#### Total Units 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                    3 Units  
Workshop**

*Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.*

*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                    3 Units  
Workshop**

*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, Susurru. 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, Susurru, 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: 162 hours LAB*

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: None.*

*Advisory: ENGRD 110 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 offers students an opportunity to learn and practice basic methods of tutoring elementary children in reading. Students will meet on campus for the first part of the semester to be trained and then will be assigned to an elementary school where they will have in-depth practice tutoring elementary children who are reading below grade level. This course can meet the field experience requirement for teacher preparation programs.

**ENGED 326 Teaching Reading Strategies Across the Curriculum      3 Units**

*Prerequisite: ENGRD 310, ENGRD 312, or ENGWR 300 with a grade of "C" or better, or placement through the assessment process.*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course addresses reading and critical thinking strategies to prepare students to become fluent, independent readers in K-12 and college-level courses across the disciplines. Application of the California Common Core Standards is also included. This course is recommended for future educators, K-12 teachers, and community college instructors.

**ENGED 495 Independent Studies in English – Education      1-3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 54 hours LAB*

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 and Writing Skills      .5-2 Units**

*Prerequisite: None.*

*Hours: 108 hours LAB*

This course provides individualized, self-paced instruction of reading and writing skills. Students meet with an instructor for diagnosis of reading and writing needs, and an agreed-upon prescription is determined. Students are awarded units based on successful completion of assigned work, required time, and conferences with their lab instructor. Students are highly encouraged to enroll for one-half unit but may earn up to one unit per semester by completing 27 hours of work for each half unit. This course may be taken for a maximum of 2 units over multiple semesters, with each course constructed to assist students in their needs for that semester. The course is designed for students enrolled in a reading or writing course, but is open to any students who wish to work on their individual reading and writing skills for college. Students may register until the end of the ninth week of the semester and as space allows. The course is graded on a Pass/No Pass basis.

**ENGLB 299 Experimental Offering in English-Laboratory      .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.

<b>ENGLT 310 English Literature I</b>	<b>3 Units</b>	<b>ENGLT 321 American Literature II</b>	<b>3 Units</b>
<i>Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: ENGWR 300 with a grade of "C" or better</i>	
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B</i>		<i>Advisory: ENGWR 301 or 303</i>	
<i>Course Transferable to UC/CSU</i>		<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B</i>	
<i>Hours: 54 hours LEC</i>		<i>Course Transferable to UC/CSU</i>	
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)		This course surveys representative American literature from the post-Civil War period until the present, with consideration of important aspects of American literary history. Readings—from a variety of stories, novels, plays, and poetry—and discussion highlight the multicultural nature of American literature and society. (C-ID ENGL 135)	
<b>ENGLT 311 English Literature II</b>	<b>3 Units</b>	<b>ENGLT 327 Literature of California</b>	<b>3 Units</b>
<i>Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B</i>		<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
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)		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.	
<b>ENGLT 317 The English Bible as Literature</b>	<b>3 Units</b>	<b>ENGLT 328 Literature and The Environment</b>	<b>3 Units</b>
<i>Prerequisite: ENGWR 101 or ESLW 320 and ESLR 320 with a grade of "C" or better; or placement through the assessment process.</i>		<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B</i>		<i>General Education: AA/AS Area II(b); CSU Area C2; IGETC Area 3B</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
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.		This course is an introduction to literature with an emphasis on American environmental literature. Study will include major figures, themes, and historical periods; different cultural perspectives on the relationship between humans and the natural nonhuman world; the role women have played in the development of the genre; and the relationship between environmental literature and emerging environmental concerns.	
<b>ENGLT 320 American Literature I</b>	<b>3 Units</b>	<b>ENGLT 331 African-American Literature (1730-1930)</b>	<b>3 Units</b>
<i>Prerequisite: ENGWR 300 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B</i>		<i>Advisory: LIBR 318 with a grade of "C" or better</i>	
<i>Course Transferable to UC/CSU</i>		<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>	
<i>Hours: 54 hours LEC</i>		<i>Course Transferable to UC/CSU</i>	
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)		<i>Hours: 54 hours LEC</i>	
		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.	

<b>ENGLT 332 African-American Literature 3 Units</b>	<b>(1930-Present)</b>	<b>ENGLT 345 Mythologies of the World 3 Units</b>
<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>	<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>	<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>
<i>Advisory: LIBR 318 with a grade of "C" or better</i>	<i>Course Transferable to UC/CSU</i>	<i>Course Transferable to UC/CSU</i>
<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>	<i>Hours: 54 hours LEC</i>	<i>Hours: 54 hours LEC</i>
<i>Course Transferable to UC/CSU</i>	<i>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.</i>	
<b>ENGLT 334 Asian-American Literature 3 Units</b>		<b>ENGLT 346 Latin American Literature 3 Units</b>
<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>
<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; CSU Area D3; IGETC Area 3B</i>		<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>
<i>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.</i>		<i>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.</i>
<b>ENGLT 335 Latino, Mexican-American, and Chicano Literature 3 Units</b>		<b>ENGLT 360 Women in Literature 3 Units</b>
<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>
<i>Advisory: LIBR 318 with a grade of "C" or better.</i>		<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>
<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>		<i>Course Transferable to UC/CSU</i>
<i>Course Transferable to UC/CSU</i>		<i>Hours: 54 hours LEC</i>
<i>Hours: 54 hours LEC</i>		<i>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.</i>
<b>ENGLT 335 Latino, Mexican-American, and Chicano Literature 3 Units</b>		<b>ENGLT 365 Introduction to Gay, Lesbian, Bisexual and Transgender Literature 3 Units</b>
<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>
<i>Advisory: LIBR 318 with a grade of "C" or better.</i>		<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>
<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B</i>		<i>Course Transferable to UC/CSU</i>
<i>Course Transferable to UC/CSU</i>		<i>Hours: 54 hours LEC</i>
<i>Hours: 54 hours LEC</i>		<i>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.</i>

**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 children's literature. It includes discussion of the history of children's poetry, short fiction, long fiction, and drama, and of current issues such as censorship, literacy, and multicultural diversity. This course is intended for prospective teachers, early childhood education (ECE) majors, librarians, and anyone who is or will be in frequent contact with children. It includes reading to children in a formal group situation. (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 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 101 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.

<b>ENGLT 480</b>	<b>World Literature: Antiquity to the Early Modern World – Honors</b>	<b>3 Units</b>	<b>ENGLT 495</b>	<b>Independent Studies in Literature</b>	<b>1-3 Units</b>
<i>Prerequisite:</i> ENGWR 300 with a grade of "C" or better, or placement through the assessment process.			<i>Prerequisite:</i> None.	<i>Course Transferable to CSU</i>	
<i>General Education:</i> AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B			<i>Hours:</i> 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. 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.	
<i>Enrollment Limitation:</i> Eligibility for the Honors Program.					
<i>Course Transferable to UC/CSU</i>					
<i>Hours:</i> 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)					
<b>ENGLT 481</b>	<b>World Literature: Seventeenth Century to Present – Honors</b>	<b>3 Units</b>	<b>ENGLT 499</b>	<b>Experimental Offering in Literature</b>	<b>.5-4 Units</b>
<i>Prerequisite:</i> ENGWR 300 with a grade of "C" or better, or placement through the assessment process.			<i>Prerequisite:</i> None	<i>Course Transferable to UC/CSU</i>	
<i>General Education:</i> AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B			<i>Hours:</i> 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.	
<i>Enrollment Limitation:</i> Eligibility for the Honors Program.					
<i>Course Transferable to UC/CSU</i>					
<i>Hours:</i> 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)					
<b>ENGLT 494</b>	<b>Topics in Literature</b>	<b>3 Units</b>	<b>ENGRD 10</b>	<b>Basic Reading Skill Development</b>	<b>3 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.	<i>Corequisite:</i> ENGLB 55	
<i>Course Transferable to UC/CSU</i>			<i>Hours:</i> 54 hours LEC	This course provides competency-based instruction for improving literal comprehension, vocabulary development, and dictionary skills.	
<i>Hours:</i> 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.					
<b>ENGRD 11</b>	<b>Reading Skill Development</b>	<b>3 Units</b>	<b>ENGRD 11</b>	<b>Reading Skill Development</b>	<b>3 Units</b>
<i>Prerequisite:</i> ENGRD 10 with a grade of "C" or better, or placement through the assessment process.			<i>Prerequisite:</i> ENGRD 10 with a grade of "C" or better, or placement through the assessment process.	<i>Corequisite:</i> ENGLB 55	
<i>Course Transferable to UC/CSU</i>			<i>Advisory:</i> ENGWR 51 with a "C" or better	<i>Hours:</i> 54 hours LEC	
<i>Hours:</i> 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. Completion of ENGLB 55 may be recommended by the instructor.		
			<b>ENGRD 110</b>	<b>Comprehension Strategies and Vocabulary Development For College</b>	<b>3 Units</b>
			<i>Prerequisite:</i> ENGRD 11 with a grade of "C" or better, or placement through the assessment process.	<i>Corequisite:</i> ENGLB 55	
			<i>Advisory:</i> ENGWR 51 with a grade of 'C' or better.	<i>Hours:</i> 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 strategies for reading a variety of college-level texts: fiction and non-fiction essays and articles, novels, and textbooks. ENGLB 55 may be recommended by the instructor for students who need more reading skill practice.		

## 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 literal comprehension, vocabulary development, and dictionary skills.

### ENGRD 11 Reading Skill Development 3 Units

*Prerequisite:* ENGRD 10 with a grade of "C" or better, or placement through the assessment process.  
*Corequisite:* ENGLB 55  
*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. 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.  
*Corequisite:* ENGLB 55  
*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 strategies for reading a variety of college-level texts: fiction and non-fiction essays and articles, novels, and textbooks. ENGLB 55 may be recommended by the instructor for students who need more reading skill practice.

<b>ENGRD 118 Accelerated College Reading</b>	<b>2 Units</b>
<i>Prerequisite: ENGRD 11 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>Corequisite: ENGRD 310</i>	
<i>Hours: 36 hours LEC</i>	

This course provides intensive instruction and practice in critical reading and thinking skills necessary for success in ENGRD 310. Reading assignments are connected to assignments in ENGRD 310, so that the student might succeed at that course.

<b>ENGRD 208 Reading for Academic Achievement</b>	<b>3 Units</b>
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*Prerequisite: ENGRD 110 or ESLR 320 with a grade of "C" or better, or placement through the assessment process.*  
*Enrollment Limitation: This course is not open to students who have already completed ENGRD 310: Critical Reading as Critical Thinking or ENGRD 312: Academic Textbook Reading.*

*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 a flexible reading rate. These skills will be developed through application in varied reading materials. One or more additional hours in the Reading Lab may be recommended. This course is not open to students who have completed ENGRD 310 or ENGRD 312. (Competency: Reading)

<b>ENGRD 299 Experimental Offering in English-Reading</b>	<b>.5-4 Units</b>
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*Prerequisite: None*  
*Hours: 72 hours LEC*  
See Experimental Offerings

<b>ENGRD 310 Critical Reading as Critical Thinking</b>	<b>3 Units</b>
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*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 the theory and practice of advanced critical reading skills and strategies needed for college-level texts with emphasis on the following: critical and analytical evaluation of printed material, vocabulary development, proficient comprehension skills, development of efficient and flexible reading, and application in textbook and nonfiction reading. One or more additional hours per week in the Reading Lab may be recommended. (Competency: Reading)

<b>ENGRD 312 Academic Textbook Reading</b>	<b>3 Units</b>
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*Prerequisite: ENGRD 110 with a grade of "C" or better, or placement through the assessment process.*  
*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, and cosmetology, as well as in transfer-level courses such as business, geology, and psychology. Activities emphasize discipline-based vocabulary; reading strategies; critical thinking; interpretation of figures, facts, and data; and reading rates as they relate to academic success. Students may be recommended by the instructor to complete ENGLB 55. (Competency: Reading)

<b>ENGRD 315 Reading Across the Disciplines for Content Courses</b>	<b>.5 Units</b>
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*Prerequisite: None.*  
*Corequisite: Another transfer-level content-area course*  
*Course Transferable to CSU*  
*Hours: 9 hours LEC*

This course offers reading skills to students as they apply to various content-area courses. Topics include the principles of the reading process, analysis of discipline-specific reading assignments, strategies for retention, and research strategies particular to the chosen discipline. Students should come to the Reading Across the Disciplines (RAD) Center and meet with a RAD staff member before enrolling. This course is graded Pass/No Pass.

<b>ENGRD 495 Independent Studies in English – Reading</b>	<b>1-3 Units</b>
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*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.

<b>ENGRD 499 Experimental Offering in English – Reading</b>	<b>.5-4 Units</b>
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*Prerequisite: None*  
*Course Transferable to CSU*  
*Hours: 54 hours LEC*  
See Experimental Offering

## English – Writing (ENGWR)

<b>ENGWR 51 Developmental Writing</b>	<b>4 Units</b>
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*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.

<b>ENGWR 52 Developmental Writing Workshop</b>	<b>1 Unit</b>
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*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.

<b>ENGWR 90 Preparation for English Writing – 1 Unit</b>	<b>Success Academy</b>	<b>.5-4 Units</b>
<i>Prerequisite: Placement through the assessment process</i>		
<i>Hours: 18 hours LEC</i>		
This course provides an introduction to student learning expectations and the outcomes of higher education. This course has a specific focus on English writing preparation through the implementation of individualized group instruction for students.		
<b>ENGWR 101 College Writing</b>	<b>4 Units</b>	
<i>Prerequisite: ENGWR 51 with a grade of "C" or better, or placement through the assessment process.</i>		
<i>Advisory: ENGLB 55 with a grade of "P" and ENGRD 110 with a grade of "C" or better</i>		
<i>Hours: 72 hours LEC</i>		
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.		
<b>ENGWR 108 Accelerated College Writing</b>	<b>3 Units</b>	
<i>Prerequisite: ENGWR 51 with a grade of "C" or better, or placement through the assessment process.</i>		
<i>Corequisite: ENGWR 300</i>		
<i>Hours: 54 hours LEC</i>		
This course provides intensive instruction and practice in the critical thinking and writing skills necessary for success in college composition. Writing assignments are often connected to the students' assignments in ENGWR 300. The course includes the drafting, revision, and editing processes as well as instruction in grammar, mechanics, and usage.		
<b>ENGWR 110 College Reading and Writing Skills</b>	<b>4 Units</b>	
<i>Prerequisite: None.</i>		
<i>Corequisite: ENGLB 55</i>		
<i>Hours: 72 hours LEC</i>		
This pre-transfer-level course is designed to prepare students for success in ENGWR 300 and other courses that require writing. Students will read primarily transfer-level non-fiction texts of varying length, and write essays responding to and incorporating these readings. The course will focus on reading and writing fundamentals, such as active reading strategies, writing process, thesis development, paragraph structure, logical support, and sentence awareness. A half-unit Reading and Writing Lab (ENGLB 55) is also required to provide more individualized support.		
<b>ENGWR 157 University Preparatory Writing</b>	<b>3 Units</b>	
<i>Prerequisite: None.</i>		
<i>Hours: 54 hours LEC</i>		
This writing course uses individual and group instruction to help students improve critical thinking and writing skills. Each student writes 6,000 words (approximately five to six essays), including at least two in-class essays and one in-class final exam. Writing assignments are largely based on analysis of readings. This course prepares students for university-level writing courses.		
<b>ENGWR 299 Experimental Offering in English-Writing</b>		<b>.5-4 Units</b>
<i>Prerequisite: None</i>		
<i>Hours: 72 hours LEC</i>		
See Experimental Offerings		
<b>ENGWR 300 College Composition</b>		<b>3 Units</b>
<i>Prerequisite: ENGWR 110 or ENGWR 101 with a grade of "C" or better, concurrent enrollment in ENGWR 108, or placement through the assessment process.</i>		
<i>Advisory: ENGRD 310 and LIBR 318 with grades of "C" or better</i>		
<i>General Education: AA/AS Area II(a); CSU Area A2; IGETC Area 1A</i>		
<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC</i>		
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; Competency: Writing)		
<b>ENGWR 301 College Composition and Literature</b>		<b>3 Units</b>
<i>Prerequisite: ENGWR 300 with a grade of "C" or better</i>		
<i>General Education: AA/AS Area II(a); AA/AS Area I; CSU Area A3; IGETC Area 1B</i>		
<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC</i>		
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)		
<b>ENGWR 302 Advanced Composition and Critical Thinking</b>		<b>3 Units</b>
<i>Prerequisite: ENGWR 300 or 488 with a grade of "C" or better</i>		
<i>Advisory: LIBR 318</i>		
<i>General Education: AA/AS Area II(b); AA/AS Area II(a); CSU Area A3; IGETC Area 1B</i>		
<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC</i>		
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 488 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, or films may be required. Online students have the option of watching these online. (C-ID ENGL 110; C-ID ENGL 120)

**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 488 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. (C-ID ENGL 105)

**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. (C-ID ENGL 100; Competency: Writing)

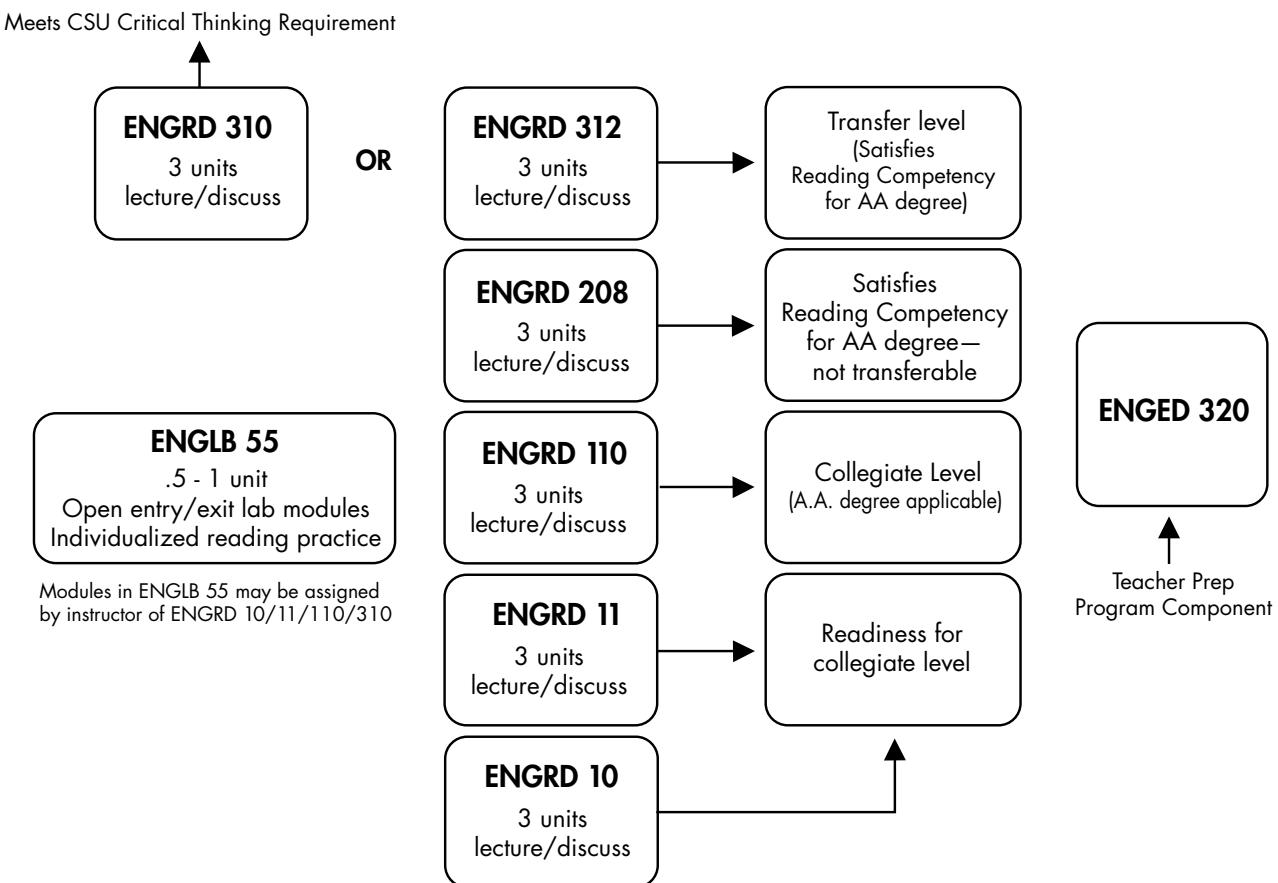
**ENGWR 495 Independent Studies in English – Writing** **1-3 Units**

*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 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.

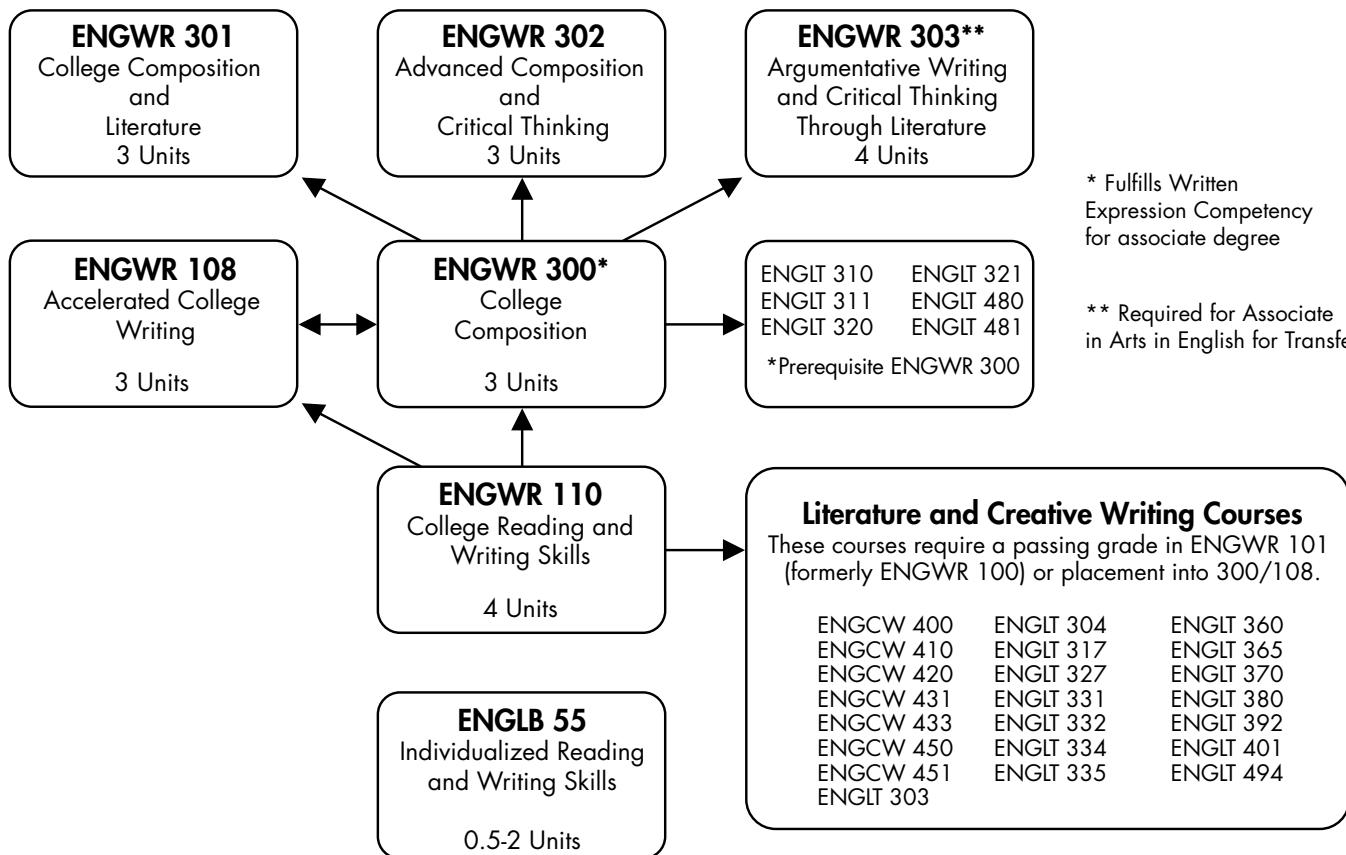
**ENGWR 499 Experimental Offering in English – Writing** **.5-4 Units**

*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**



## English as a Second Language      ESL, ESLG, ESLL, ESLP, ESLR, ESLW

### Certificate of Achievement:

**Advanced Proficiency in English as a Second Language**

### Coursework:

ESL – English as a Second Language  
 ESLG – ESL-Grammar  
 ESLL – ESL-Listening Skills  
 ESLLAB – ESL-Laboratory  
 ESLP – ESL-Pronunciation  
 ESLR – ESL-Reading  
 ESLW – ESL-Writing

### 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.

## Advanced Proficiency in English as a Second Language

### Certificate of Achievement

#### Program Information

The Advanced Proficiency Program recognizes attainment of English language abilities to an advanced-low level of English in listening, speaking, reading, writing, and grammar skills. It demonstrates achievement of skills used in academic courses at the community college level as well as in the workplace community.

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

- recognize cultural practices common to workplace situations in the United States.
- demonstrate communication skills necessary in the workplace.
- employ a variety of active reading strategies and adjust reading speed appropriately to address a full range of reading tasks including reading for inferences and bias.
- analyze and evaluate a variety of texts.
- cite outside sources correctly by using quotations, paraphrases, and summaries in writing
- assignments.
- compose and edit clear, well-developed, and organized essays on academic topics.
- revise and edit to achieve clarity of ideas and correctness of grammar, punctuation, and mechanics.
- use a variety of sentence types with sophisticated logical connectors.

### Division of Language and Literature

Dr. Robin Ikegami, Dean  
 Rodda Hall South, room 226  
 916-558-2325

### Required Program

	Units
ESL 114 Career Communication Skills: Intermediate.....	4
ESLG 320 Advanced-Low Grammar.....	4
ESLR 320 Advanced-Low Reading .....	4
ESLW 320 Advanced-Low Writing .....	4
<b>Total Units Required</b>	<b>16</b>

### Certificate of Achievement

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

## English as a Second Language (ESL)

### ESL 34      Novice-High 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 novice-high level in an independent or small group environment. Coursework includes integrated study topics related to vocabulary and study skills, reading and grammar use, idiomatic language study and application, pronunciation and listening skills, composition and writing, 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 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.

<b>ESL 40</b>	<b>ESL Through Computer Technology</b>	<b>4 Units</b>	<b>ESL 54</b>	<b>Intermediate-Mid Skills Lab .5-1.5 Units</b>
<i>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.</i>			<i>Prerequisite: ESLL 40, ESLR 40, or ESLW 40 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>Hours: 72 hours LEC</i>			<i>Advisory: Concurrent enrollment in at least one ESL course</i>	
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.			<i>Hours: 81 hours LAB</i>	
			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.	
<b>ESL 44</b>	<b>Intermediate-Low Skills Lab .5-1.5 Units</b>		<b>ESL 55</b>	<b>Intermediate-Mid Integrated Reading and Writing 6 Units</b>
<i>Prerequisite: None.</i>			<i>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.</i>	
<i>Advisory: Concurrent enrollment in at least one ESL course</i>			<i>Advisory: Concurrent enrollment in ESLR 91. Both ESL 55 and ESL 91 are prerequisites for ESLR 310 and ESL 315. Enrollment in ESL 54 for extra support is advised.</i>	
<i>Hours: 81 hours LAB</i>			<i>Hours: 108 hours LEC</i>	
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.			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.	
<b>ESL 47</b>	<b>Intermediate-Low Integrated Reading and Writing</b>	<b>6 Units</b>	<b>ESL 94</b>	<b>Intermediate-High Skills Lab .5-1.5 Units</b>
<i>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.</i>			<i>Prerequisite: ESL 55, ESLL 50, ESLR 50, or ESLW 50 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>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.</i>			<i>Advisory: Concurrent enrollment in at least one ESL course.</i>	
<i>Hours: 108 hours LEC</i>			<i>Hours: 81 hours LAB</i>	
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.			This course develops, expands, and reinforces multiple English language skills at the intermediate-high level in an independent and 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 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.	
<b>ESL 48</b>	<b>Intermediate-Low Integrated Grammar, Listening and Speaking</b>	<b>6 Units</b>		
<i>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.</i>				
<i>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.</i>				
<i>Hours: 108 hours LEC</i>				
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.				

<b>ESL 95</b>	<b>Advanced Skills Lab</b>	<b>.5-1.5 Units</b>	<b>ESL 324</b>	<b>Career Communication Skills: Advanced</b>	<b>4 Units</b>
Prerequisite: ESL 315, ESLG 310, ESLR 310, or ESLW 310 with a grade of "C" or better, or placement through the assessment process.			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 at least one ESL course			Advisory: Concurrent enrollment in ESL 95.		
Hours: 81 hours LAB			Course Transferable to CSU		
This course develops, expands, and reinforces multiple English language skills at the advanced levels in an independent and 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 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.			Hours: 72 hours LEC		
<b>ESL 114</b>	<b>Career Communication Skills: Intermediate</b>	<b>4 Units</b>	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.		
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.					
<b>ESL 299</b>	<b>Experimental Offering in English as a Second Language</b>	<b>.5-4 Units</b>	<b>ESL 325</b>	<b>Advanced-Low Integrated Reading and Writing</b>	<b>6 Units</b>
Prerequisite: None			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.		
Hours: 72 hours LEC			Advisory: ESLR 93; Both ESL 325 and ESLR 93 are prerequisites for ESLR 340. Enrollment in ESL 95 for extra support is advised. LIBR 328 or LIBR 325 is advised.		
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.			Course Transferable to UC/CSU		
			Hours: 108 hours LEC		
<b>ESL 315</b>	<b>Intermediate-High Integrated Reading and Writing</b>	<b>6 Units</b>	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.		
Prerequisite: ESLW 50 and ESLR 50 with grades of "C" or better and ESLR 91 with a grade of "P"; or ESL 55 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 or online 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.					
<b>ESL 495</b>	<b>Independent Studies in English as a Second Language</b>	<b>1-3 Units</b>	<b>ESL 499</b>	<b>Experimental Offering in English as a Second Language</b>	<b>.5-4 Units</b>
Prerequisite: None			Prerequisite: None		
Course Transferable to CSU			Course Transferable to CSU		
Hours: 162 hours LAB			Hours: 72 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.			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 (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 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.

<b>ESLL 91</b>	<b>ESL Center: Intermediate-Mid Listening Skills in ESL</b>	<b>.5-1 Units</b>	
	<i>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</i>		
	<i>Advisory: Concurrent enrollment in at least one ESL course</i>		
	<i>Hours: 54 hours LAB</i>		

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-Laboratory (ESLLAB)

<b>ESLLAB 299</b>	<b>Experimental Offering in English as a Second Language</b>	<b>.5-4 Units</b>	
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<i>Prerequisite: None</i>			
<i>Hours: 54 hours LEC; 36 hours LAB</i>			
<i>See Experimental Offering</i>			

<b>ESLLAB 499</b>	<b>Experimental Offering in English as a Second Language</b>	<b>.5-4 Units</b>	
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<i>Prerequisite: None</i>			
<i>Hours: 54 hours LEC; 36 hours LAB</i>			
<i>See Experimental Offering</i>			

## ESL – Pronunciation (ESLP)

<b>ESLP 85</b>	<b>Pronunciation</b>	<b>2 Units</b>	
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<i>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.</i>			
<i>Hours: 36 hours LEC</i>			

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.			
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## ESL – Reading (ESLR)

<b>ESLR 30</b>	<b>Novice-High Reading</b>	<b>4 Units</b>	
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<i>Prerequisite: None.</i>			
<i>Hours: 72 hours LEC</i>			

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.			
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<b>ESLR 40</b>	<b>Intermediate-Low Reading</b>	<b>4 Units</b>	
	<i>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.</i>		
	<i>Advisory: Concurrent enrollment in ESLR 40 (ESL Center: Intermediate-Low Reading Skills in ESL). ESLR 40 and ESLR 90 are both prerequisites for ESLR 50.</i>		
	<i>Hours: 72 hours LEC</i>		

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.

<b>ESLR 50</b>	<b>Intermediate-Mid Reading</b>	<b>4 Units</b>	
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	<i>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.</i>		
	<i>Advisory: Concurrent enrollment in ESLR 91. ESLR 50 and ESLR 91 are prerequisites for ESLR 310 and ESL 315.</i>		
	<i>Hours: 72 hours LEC</i>		

	<i>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.</i>		
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<b>ESLR 90</b>	<b>ESL Center: Intermediate-Low Reading Skills in ESL</b>	<b>.5-1 Units</b>	
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	<i>Prerequisite: ESLR 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</i>		
	<i>Advisory: Concurrent enrollment in at least one ESL course</i>		
	<i>Hours: 54 hours LAB</i>		

	<i>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.</i>		
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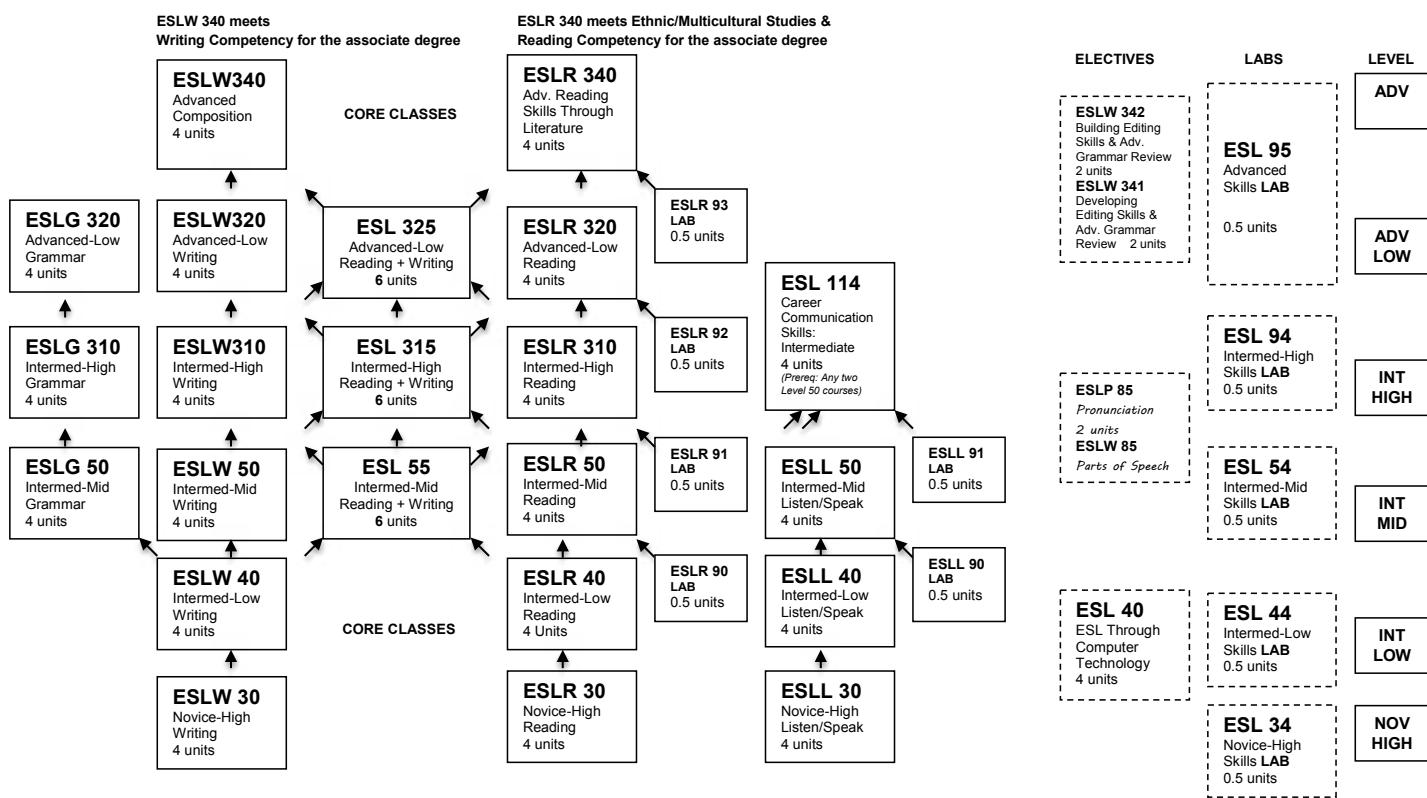
<b>ESLR 91</b>	<b>ESL Center: Intermediate-Mid Reading Skills in ESL</b>	<b>.5-1 Units</b>	
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	<i>Prerequisite: ESLR 40, ESLR 40, or ESLW 40 with a grade of "C" or better or placement in level 50 or above through the Los Rios assessment process</i>		
	<i>Advisory: Concurrent enrollment in at least one ESL course</i>		
	<i>Hours: 54 hours LAB</i>		

	<i>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.</i>		
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<b>ESLR 92</b>	<b>ESL Center: Intermediate-High Reading Skills in ESL</b>	<b>.5-1 Units</b>	<b>ESLR 320</b>	<b>Advanced-Low Reading</b>	<b>4 Units</b>
				<i>Prerequisite: ESL 92 with a grade of "P" and ESLR 310 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.</i>	
	<i>Advisory: Concurrent enrollment in at least one ESL course</i>			<i>Advisory: Completion of ESLW 50 with a grade of "C" or better; concurrent enrollment in ESLR 93 (ESL Center: Advanced-Low Reading Skills in ESL). ESLR 320 and ESLR 93 are both prerequisites for ESLR 340.</i>	
	<i>Hours: 54 hours LAB</i>			<i>Course Transferable to CSU</i>	
	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.			<i>Hours: 72 hours LEC</i>	
<b>ESLR 93</b>	<b>ESL Center: Advanced-Low Reading Skills in ESL</b>	<b>.5-1 Units</b>	<b>ESLR 340</b>	<b>Advanced Reading Skills Through Literature</b>	<b>4 Units</b>
				<i>Prerequisite: ESLR 93 with a grade of "P" and ESLR 320 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.</i>	
	<i>Advisory: Concurrent enrollment in at least one ESL course</i>			<i>Advisory: Completion of ESL 315 or ESLW 310 with a grade of "C" or better; concurrent enrollment in ESL 95 (Advanced Skills Lab).</i>	
	<i>Hours: 54 hours LAB</i>			<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2</i>	
	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.			<i>Course Transferable to UC/CSU</i>	
				<i>Hours: 72 hours LEC</i>	
				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 (in person or online) 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. (Competency: Reading)	
<b>ESLR 310</b>	<b>Intermediate-High Reading</b>	<b>4 Units</b>	<b>ESLR 499</b>	<b>Experimental Offering in English as a Second Language – Reading</b>	<b>.5-4 Units</b>
				<i>Prerequisite: None</i>	
	<i>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 55 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.</i>			<i>Course Transferable to CSU</i>	
	<i>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.</i>			<i>Hours: 54 hours LEC</i>	
	<i>Course Transferable to CSU</i>			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.	
	<i>Hours: 72 hours LEC</i>				
	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.				

## English as a Second Language Program



\* A Certificate of Achievement (Advanced ESL) is awarded upon successful completion of ESLG 320, ESLR 320, ESLW 320 and ESL 114. This will appear on the transcript upon completion of an application. An Intermediate Certificate (paper) is awarded by the ESL Department upon successful completion of ESLG 50, ESLW 50, ESLR 50 and ESLL 50. Students should request this from the ESL Dept. Chair.

1. Courses numbered 300 and above are transferable; those numbered 99 and below are Basic Skills courses. Check with a counselor about transfer requirements. Arrows indicate main prerequisite courses. Prerequisites for Level 40 and above are assessment/placement into ESL or successful completion of the prior course (and sometimes lab).
2. Concurrent Labs (R&L 90-93) are strongly advised for the level and are PREREQUISITES for the next level. 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 and advisories carefully before selecting courses.
3. **ESL 55, ESL 315, and ESL 325 are 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 and lab in this sequence. Successful completion of one of these courses serves as prerequisite for either the combined Reading-Writing course at the next level or for both the R and W courses at the next level.

## 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.

### **ESLW 310 Intermediate-High Writing 4 Units**

*Prerequisite: ESLW 50 or ESL 55 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. The writing process will be used to produce developed, organized, and unified essays. Critical thinking skills will be practiced through class discussions and written responses to readings. Students 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: 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: Completion of ESLG 320 with a grade of "C" or better; 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); 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 7,000 words divided among six to eight essays, including one fully documented research paper and two to three in-class essays. (Competency: Writing)

**ESLW 341      Developing Editing Skills and      2 Units  
Advanced Grammar Review  
for ESL Writers**

*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      2 Units  
Advanced Grammar Review  
for ESL Writers**

*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      .5-4 Units  
English as a Second Language –  
Writing**

*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

**Degree:**  
A.A. – Ethnic Studies

**Division of Behavioral and Social Sciences**  
Kasey Gardner, Dean  
Rodda Hall North, room 226  
916-558-2401

### Ethnic Studies

Associate in Arts Degree

#### Program Information

Sacramento City College recognizes the need for a more extensive inclusion of minorities in the American educational system. The Ethnic Studies Program at Sacramento City College is, therefore, open to all students and serves as a response to the needs, demands, and experiences of Sacramento's minority communities. It can be of vital importance to the student because the program makes available a broader perspective on ethnic groups not ordinarily provided in primary and secondary educational institutions.

Sacramento City College offers a broad array of courses in African American Studies, Asian American Studies, Mexican American/Chicano Studies, Native American Studies, Gender and Ethnicity, and The European Experience. The program offers a course on the Introduction to Ethnic Studies along with general courses on American ethnic groups in Sociology, Psychology, Anthropology, and History.

#### 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 personnel, and human resources personnel. The program will also provide a background to students hoping to teach in primary 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 ethnic minorities relative to history, politics, social sciences, and the humanities.

#### Required Program

#### Units

ETHNS 300 Introduction to Ethnic Studies .....	3
A minimum of 18 units from the following:	
ANTH 310 Cultural Anthropology (3)	
or ANTH 481 Honors Cultural Anthropology (3)	
ETHNS 320 The African American Experience (3)	
ETHNS 330 The Asian American Experience in America (3)	
ETHNS 340 Chicanos/Mexican Americans in the U.S. (3)	
ETHNS 341 The Sociology & Psychology of Mexicans and Latinos in the U.S. (3)	
ETHNS 350 Introduction to Native American Studies (3)	
ETHNS 351 Native American Culture and the Impact of Federal Policy (3)	
PSYC 367 Psychology of Minorities (3)	
SOC 321 Race, Ethnicity and Inequality in the United States (3)	
or SOC 482 Race, Ethnicity and Inequality in the United States – Honors (3)	

#### Total Units Required

21

#### Suggested Electives

ARTH 324, 328, 330, 332; ANTH 320, 332, 334, 341, 481; BUS 330; HIST 310, 311, 320, 321, 364, 365, 373, 375, 483, 484; NUTRI 310

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

The Ethnic Studies Associate in Arts (A.A.) degree may be obtained by completion of 60 transferable, semester units, including (a) the major or area of emphasis described in the Required Program, and (b) one of the following: the SCC General Education, the Intersegmental General Education Transfer Curriculum (IGETC), or the California State University General Education-Breadth Requirements.

## Ethnic Studies (ETHNS)

### ETHNS 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 D; IGETC Area 4*

*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, African Americans, Native Americans, and other recent immigrant groups. The course is designed to introduce students to information presented in upper division courses with ethnic studies content. This course was formerly known as SOCSC300 – Introduction to Ethnic Studies.

### ETHNS 320 The African American Experience 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 D; IGETC Area 4*

*Course Transferable to UC/CSU*

*Hours: 54 hours LEC*

This course is an inter-disciplinary overview of the cultural, economic, historic, social, and political issues in the life of African Americans in the United States. It will expose students of all ethnic backgrounds to the issues germane to the experience of African Americans in the United States. This course was formerly known as SOCSC320 – The Socio-Cultural, Economic, and Political Experience of the African-American.

**ETHNS 330 The Asian American Experience 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 D;  
IGETC Area 4*

*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. This course was formerly known as SOCSC325 – Asian American Experience in America.

**ETHNS 340 Chicanos/Mexican Americans 3 Units  
in the U.S.**

*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 D;  
IGETC Area 4*

*Course Transferable to UC/CSU*

*Hours: 54 hours LEC*

This course examines the social, economic, political, organizing, identity, migration, immigration, legal, linguistic, and cultural developments of Chicanas and Chicanos in the United States through a historical perspective. The history of Chicanas/os covers over 500 years and is complicated, varied, and multi-layered. We cannot justly cover all aspects of this historical trajectory. Instead, we will focus on key moments and critical transformations in the Chicano/o historical and contemporary experiences. We will use the themes of "power relations" and "resistance" as experienced by Chicanas/os to gain a better understanding of the complexity and diversity of the Chicano peoples. Additionally, our goal is to comprehend how race and ethnicity, class, gender, region, migration/immigration, and sexuality have shaped Chicano/o identity and history. Topics we will address include (but are not limited to) historical conquests and resistance; cultural contact and conflict; war and manifest destiny; migration, immigration, community formation, and identity; race relations; the Chicano Movement; and personal narratives. This course was formerly known as SOCSC 330.

**ETHNS 341 The Sociology & Psychology 3 Units  
of Mexicans and Latinos  
in the U.S.**

*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 D;  
IGETC Area 4*

*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. This course was formerly known as SOCSC 332.

**ETHNS 350 Introduction to 3 Units  
Native American Studies**

*Prerequisite: None.*

*Advisory: ENGWR 101 and ESLW 340 with grades of "C" or better*

*General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D;  
IGETC Area 4*

*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. This course is formerly known as SOCSC 335.

**ETHNS 351 Native American Culture 3 Units  
and the Impact of Federal Policy**

*Prerequisite: None.*

*Advisory: ENGWR 101 and ESLW 340 with grades of "C" or better*

*General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D;  
IGETC Area 4*

*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. This course is formerly known as SOCSC 336.

**ETHNS 495 Independent Studies in 1-3 Units  
Ethnic Studies**

*Prerequisite: None.*

*Advisory: ENGWR 101 (College Writing) or ESLW 340 (Advanced Composition) with grades of "C" or better.*

*Course Transferable to CSU*

*Hours: 162 hours LAB*

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered ethnic studies courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

## Experimental Offering In (Subject)

### 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	ET 299
AH 299	FASHN 299
BIOL 299	FREN 299
BUSTEC 299	GCOM 299
CHEM 299	HCD 299
CISC 299	JAPAN 299
CISN 299	MAND 299
CISW 299	MATH 299
COSM 299	MET299
DAST 299	MGMT 299
DHYG 299	NURSE 299
ECE 299	OTA 299
ECON 299	PHOTO 299
ENGLB 299	PTA 299
ENGRD 299	RAILR 299
ENGWR 299	SPAN 299
ESL 299	VN 299
ESLW 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*	HIST 499*
ADAPT 499*	HSER 499
ADMJ 499	HUM 499*
AERO 499	IDES 499*
AH 499	JAPAN 499*
ANTH 499*	JOUR 499
ART 499*	KINES 499*
ARTH 499*	LIBR 499
ASTR 499*	LIBT 499
BIOL 499*	LTAT 499
BUS 499	MAND 499*
BUSTEC 499	MATH 499*
CANT 499*	MET 499
CHEM 499*	MGMT 499
CISA 499	MKT 499
CISC 499*	MUFHL 499*
CISN 499	MUIVI 499*
CISP 499*	MUP 499*
CISW 499	MUSM 499
COMDE 499	NURSE 499
COMM 499*	NUTRI 499*
ECE 499*	PACT 499*
ECON 499*	PHIL 499*
EDT 499 ENGR 499*	PHOTO 499
ENG CW 499*	PHYS 499*
ENG ED 499	PNJABI 499*
ENG LT 499*	POLS 499*
ENG RD 499	PSYC 499*
ENG WR 499*	RE 499
ESL 499	RECR 499
ESLG 499	RUSS 499*
ESLR 499	SGVT 499
ESLW 499*	SOC 499*
ET 499	SPAN 499*
ETHNS 499	STAT 499*
FASHN 499*	SURVY 499
FCS 499*	TA 499*
FITNS 499*	TA FILM 499
FREN 499*	TAP 499*
GCOM 499*	TGLG 499*
GEOG 499*	TM ACT 499*
GEOL 499*	VIET 499*
GERON 499*	
HCD 499*	
HEED 499*	

**Family and Consumer Science****FCS****Degree:****A.A. – Family and Consumer Science****Family and Consumer Science****Associate in Arts Degree****Program Information**

The Family and Consumer Science Associate in Arts Degree is designed to provide an occupational program of study for students interested in pursuing careers related to Child Development, Early Childhood Education, Family Studies, Fashion, Food Preparation, Interior Design, Gerontology, Life Management, or Nutrition. Courses within the curriculum provide course work to meet state licensing requirements to work with individuals across the age span and provide part of the undergraduate requirements necessary for students wishing to transfer to a four-year institution. Selected courses provide students with lifelong learning skills. Students with Associate in Arts degrees in Family and Consumer Science will have studied the relationship between the physical, social, emotional, and intellectual environment in and of the home and family and the development of individuals, including instruction in the natural and social sciences and humanities in the development of attitudes, knowledge, and ability pertaining to programs in fashion, interior design, life management, child development, family studies, and gerontology, and nutrition, foods, and culinary arts.

**Transfer Students**

Students who plan to complete the Bachelor's degree in Family and Consumer Science or related fields at four-year institutions should consult the 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.

**Career Opportunities**

Opportunities for students with an Associate in Arts Degree in Family and Consumer Sciences would include: Child Development/Resource and Referral Specialist, Early Intervention Assistant, Para-educator, Family Support Service Worker, Community Activity Planner, Community Services Worker, Recreation Specialist, Senior Supportive Services, Human Services Worker, Social Work Assistant, Family Services Worker, Life Skills Counselor, Community Support Worker, Mental Health Aide, Registry Coordinator, and Intergenerational Care Provider. By careful selection of required and elective courses, students can develop a broad major or prepare themselves for advanced study leading to such careers as: Dietitian, Foods Consultant, Market Consultant, Clothing Designer, Family and Consumer Science Educator, Public Utility Field Representative, Interior Designer, Extension Service Advisor, Educator in Child Development and Family Relations, Consultant in Consumer Economics, Researcher in Textiles, Foods, Child Development, and Gerontology.

**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.

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<b>Required Program</b>	<b>Units</b>
ECE 322 Promoting Children's Social Competence .....	3
FASHN 310 Fashion Analysis/Clothing Selection.....	3
FASHN 320 Textiles .....	3
FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction .....	3
FCS 320 Marriage and the Family (3) .....	3
or SOC 310 Marriage and the Family (3)	
GERON 300 Sociology of Aging (3).....	3
or SOC 335 Sociology of Aging (3)	
GERON 302 Psychology of Aging: Adult Development and Aging (3).....	3
or PSYC 374 Psychology of Aging: Adult Development and Aging (3)	
NUTRI 300 Nutrition (3) .....	3
or NUTRI 480 Nutrition Honors (3)	
NUTRI 330 Food Theory and Preparation (4) .....	4
ECE 314 The Child, the Family and the Community (3).....	3
<b>Total Units Required</b>	<b>31</b>

**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: 162 hours LAB*

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.

<b>FCS 320</b>	<b>Marriage and the Family</b>	<b>3 Units</b>	<b>FCS 499</b>	<b>Experimental Offering in Family and Consumer Science</b>	<b>.5-4 Units</b>
<i>Same As: SOC 310</i>			<i>Prerequisite: None</i>		
<i>Prerequisite: None.</i>			<i>Course Transferable to UC/CSU</i>		
<i>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.</i>			<i>Hours: 72 hours LEC</i>		
<i>General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D7; CSU Area E1; IGETC Area 4G</i>			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.		
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 54 hours LEC</i>					
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)					
<b>FCS 324</b>	<b>Human Development: A Life Span</b>	<b>3 Units</b>			
<i>Same As: PSYC 370</i>					
<i>Prerequisite: None.</i>					
<i>Advisory: ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340; and ESL 114 with grades of "C" or better.</i>					
<i>General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 54 hours LEC</i>					
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)					
<b>FCS 495</b>	<b>Independent Studies in Family and Consumer Science</b>	<b>1-3 Units</b>			
<i>Prerequisite: None.</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 162 hours LAB</i>					
Independent Studies in Family and Consumer Education offers students the opportunity to explore topics and interests that are not available through a current semester's regular course offerings. Students must have a faculty member willing to support and evaluate the student's progress towards the student's learning objectives. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.					

**Degree:****A.A. – Applied Apparel Studies****Certificate of Achievement:**  
**Applied Apparel Studies Construction****Applied Apparel Studies****Associate in Arts Degree****Program Information**

The Applied Apparel Studies program is designed to provide a program of study for the student interested in pursuing a career in fashion as a cutter-draper, tailor, pattern drafter, alterationist, or fiber artist in fashion studios or costume work rooms. Selected courses provide students with lifelong learning knowledge and consumer skills.

California's apparel industry is a major success story. It is an important, but often overlooked, contributor to the state's economy. San Francisco and Los Angeles are the largest centers for apparel manufacturing outside of New York City. One of the largest apparel wholesale markets in the world is the California Mart in Los Angeles.

California apparel jobs have steadily grown with the success of the industry. Jobs increased in the 2010's, a time when the rest of the U.S. lost apparel jobs, and have steadily grown in numbers. This is because the high-end tasks, such as computer aided design and pattern making, size grading, and color setting, are performed in the U.S. as well as the planning and management of off-shore production.

Emerging careers in this high growth industry will require state of the art high-tech training.

**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 productions. This program can also prepare a student for self-employment or entrepreneurship. Examples of careers in fashion design and production include: assistant designer, CAD technician, computer digitizer, costing engineer, customer services, designer, design room assistant, fashion illustrator, fashion stylist, first pattern maker, grader, manufacturer's sales representative, marker maker, operation manager, piece goods buyer, product specialist, production manager, production pattern maker, quality controller, quick response manager, sales manager, sample maker, sewing room supervisor, showroom assistant, tailor, textile colorist, textile croquis painter, textile designer, textile researcher, textile tester, and trim buyer.

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

- draw the clothed figure, rendering the sketch in different styles, poses, and fabrications on developed croquis in different media, emphasizing presentation techniques.
- assemble apparel products, applying techniques that meet the standards of quality construction for sewn products.
- integrate proper use, care, and maintenance of sewing machinery, equipment, and notions.
- apply pattern and fabric selection to appropriate designs that develop required sewing skills.
- apply layout and cutting techniques, use of industrial machines, professional pressing techniques, quality control and production procedures, and grading, sorting, and labeling of garments.
- manipulate pattern blocks and develop style changes with the flat pattern method of designing first patterns from a designer's trade sketch for targeted customers.
- use garment industry terminology and procedures for the process of marker making, multiple layer lay up, and use of industrial cutting equipment.

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- 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.

<b>Required Program</b>	<b>Units</b>
FASHN 301 Fundamentals of Apparel Construction.....	3
FASHN 320 Textiles .....	3
FASHN 330 History of Western World Fashion .....	3
FASHN 340 Apparel & Fashion Illustration .....	3
FASHN 350 Applied Apparel Studies / Premier Level Construction....	3
FASHN 351 Applied Apparel Studies / Intermediate Principles of Construction .....	3
FASHN 355 Applications in Tailoring .....	3
FASHN 367 Stretch I.....	3
FASHN 370 Pattern Adjustment and Clothing Alterations.....	3
FASHN 372 Pattern Making and Design .....	3
A minimum of 12 units from the following: .....	12
FASHN 312 Fashion for Film, Television, & Stage (3)	
FASHN 321 Fabric Manipulation (3)	
FASHN 322 Fashion Embellishments (3)	
FASHN 333 Fashion Textiles & History on the Global Stage (3)	
FASHN 335 Historic Costuming (3)	
or TA 436 Historic Costuming (3)	
FASHN 352 Applied Apparel Studies/Advanced Couture Construction (3)	
FASHN 354 Building Corsets (3)	
FASHN 361 Pants; Fit, Style and Construction (3)	
FASHN 368 Stretch II (3)	
FASHN 371 Draping Daywear (3)	
FASHN 373 Pattern Drafting (3)	
FASHN 377 Draping Couture (3)	
FASHN 394 Apparel Entrepreneur (3)	
<b>Total Units Required</b>	<b>42</b>

**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 provides 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
<b>Total Units Required</b>	<b>12</b>

#### Certificate of Achievement

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

## Fashion (FASHN)

### FASHN 299 Experimental Offering in Fashion .5-4 Units

Prerequisite: None

Hours: 54 hours LEC; 36 hours LAB

See Experimental Offering

### FASHN 301 Fundamentals of Apparel Construction 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.

Course Transferable to CSU

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. Students will explore theories and concepts of construction of simple garments and interior use projects. Technical construction techniques are included along with the use and understanding of a sew-thru 1/8" grid ruler, tape measure, and yardstick. Students will calculate and recognize measurements for the purpose of purchasing fabric. This course is designed for the student with little or no previous sewing experience. The cost per student to participate is approximately \$30-\$50. One field trip is required.

### FASHN 310 Fashion Analysis/Clothing Selection 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 exposes the student to the procedures for research, understanding, and creation of fashions for film, television, and stage. This course is based on theory and practicum. Students will create a sketchbook based on three areas of fashion and costume needs. Students will read a script for a film and research time periods, textiles, and styles to include in sketches of their design concepts. Students will examine budgets, organization, and production breakdowns for a television show. Students will also read a script for a theatre production and research the period and design concepts to include in a character study of the correct costume designs. The cost per student to participate will be approximately \$35-\$50.

### FASHN 320 Textiles 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 field trip will be taken.

### FASHN 321 Fabric Manipulation 3 Units

Prerequisite: FASHN 301 or 350 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 applied to 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.

<b>FASHN 322    Fashion Embellishments</b>	<b>3 Units</b>	<b>FASHN 335    Historic Costuming</b>	<b>3 Units</b>
<i>Prerequisite: FASHN 301 and 350 with grades of "C" or better</i>		<i>Same As: TA 436</i>	
<i>Course Transferable to CSU</i>		<i>Prerequisite: None.</i>	
<i>Hours: 36 hours LEC; 54 hours LAB</i>		<i>Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320; FASHN 340, FASHN 301, LIBR 318, and MATH 34 with grades of "C" or better.</i>	
This course will give the student the opportunity to explore surface embellishments. The techniques learned will be used to create sample blocks to be used on garments in other Apparel Construction Studies courses. Topics that make up embellishments are hand and machine embroidery, closures, beading, felting, fabric painting, and fabric staining and de-coloring. The cost to participate per student is approximately \$40-\$60.		<i>Course Transferable to UC/CSU</i>	
<b>FASHN 330    History of Western World Fashion</b>	<b>3 Units</b>	<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<i>Prerequisite: None.</i>		The impact of social, political, cultural, and economic issues on costume is explored from the cradle of civilization through modern times. Specific periods of fashion are researched to design and construct historically correct garments. Students will learn how to apply the principles of modern pattern making to various historical styles and use this knowledge to design and create historical costumes. The unique cut and construction of each historical period is covered, from undergarments to accessories, for each fashion period. Students will learn to create necessary adaptations to these garments for successful stage applications. One field trip is required. Credit may be earned for FASHN 335 or TA 436, but not for both courses. The cost per student to participate is approximately \$35-\$90.	
<i>Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320 or ESL 114; and LIBR 318 with grades of "C" or better.</i>			
<i>General Education: AA/AS Area I; CSU Area C1; CSU Area C2; IGETC Area 3B</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LEC</i>			
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.			
<b>FASHN 333    Fashion Textiles &amp; History on the Global Stage</b>	<b>3 Units</b>	<b>FASHN 340    Apparel &amp; Fashion Illustration</b>	<b>3 Units</b>
<i>Prerequisite: FASHN 320, 330, 350, and 351 with grades of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>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.</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to CSU</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<i>Hours: 36 hours LEC; 54 hours LAB</i>		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 and theatrical costumes, technical flats, and tech packs. 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 is offered as a study abroad course in World Class Fashion Centers such as: England, France, Italy, China, Japan, and Vietnam. Students will survey 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.		<b>FASHN 350    Applied Apparel Studies/ Premier Level Construction</b>	<b>3 Units</b>
		<i>Prerequisite: FASHN 301 with a grade of "C" or better</i>	
		<i>Course Transferable to CSU</i>	
		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
		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 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.	

<b>FASHN 351</b>	<b>Applied Apparel Studies/ Intermediate Principles of Construction</b>	<b>3 Units</b>	<b>FASHN 361</b>	<b>Pants; Fit, Style and Construction</b>	<b>3 Units</b>
<i>Prerequisite:</i> FASHN 350 with a grade of "C" or better or equivalent			<i>Prerequisite:</i> FASHN 301 and FASHN 350 with grades of "C" or better or equivalent		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours:</i> 36 hours LEC; 54 hours LAB			<i>Hours:</i> 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. One field trip is required. The cost per student is approximately \$70-\$100 for this course.			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.		
<b>FASHN 352</b>	<b>Applied Apparel Studies/ Advanced Couture Construction</b>	<b>3 Units</b>	<b>FASHN 364</b>	<b>Menswear Construction</b>	<b>3 Units</b>
<i>Prerequisite:</i> FASHN 351 with a grade of "C" or better or equivalent			<i>Prerequisite:</i> None.		
<i>Advisory:</i> FASHN 350 with a grade of "C" or better			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 36 hours LEC; 54 hours LAB		
<i>Hours:</i> 36 hours LEC; 54 hours LAB			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.		
This course covers apparel construction techniques applied to several challenging designs, which will be student-made using unusual and difficult fabrics. Couture construction techniques with applied details and finishes, usually found on more expensive garments, will be explored. The course will continue the instruction of the use and care of industrial sewing machines. One field trip is required. The cost per student to participate is approximately \$70-\$100.					
<b>FASHN 354</b>	<b>Building Corsets</b>	<b>3 Units</b>	<b>FASHN 365</b>	<b>Apparel and Historic Millinery</b>	<b>3 Units</b>
<i>Prerequisite:</i> FASHN 350 with grades of "C" or better or equivalent			<i>Prerequisite:</i> FASHN 301 with a grade of "C" or better		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours:</i> 36 hours LEC; 54 hours LAB			<i>Hours:</i> 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. The cost per student to participate in this course will be approximately \$75-\$125.			Apparel and fashion garments are not complete without accessories. The lecture topics will provide the student with the understanding of history of millinery as it applies to historical and current fashion trends. Students will learn to pattern draft and construct projects such as gloves, reticules, and headgear. The cost per student to participate in this course is approximately \$30-\$80.		
<b>FASHN 355</b>	<b>Applications in Tailoring</b>	<b>3 Units</b>	<b>FASHN 366</b>	<b>Menswear Style</b>	<b>3 Units</b>
<i>Prerequisite:</i> FASHN 351 with a grade of "C" or better or equivalent.			<i>Prerequisite:</i> None.		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours:</i> 36 hours LEC; 54 hours LAB			<i>Hours:</i> 54 hours LEC		
This course is designed for the advanced clothing construction student who wishes to increase knowledge and proficiency in the many aspects of traditional and contemporary tailoring. 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 in this course is approximately \$40-\$125.			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. The course will cover how to dress a successful men's wear collection. There is a required field trip.		
<b>FASHN 367</b>	<b>Stretch I</b>	<b>3 Units</b>	<b>FASHN 367</b>	<b>Stretch I</b>	<b>3 Units</b>
<i>Prerequisite:</i> FASHN 301 and 350 with grades of "C" or better			<i>Prerequisite:</i> FASHN 301 and 350 with grades of "C" or better		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours:</i> 36 hours LEC; 54 hours LAB			<i>Hours:</i> 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.					

<b>FASHN 368    Stretch II</b>	<b>3 Units</b>	
<i>Prerequisite: FASHN 301, 350, 351, and 367 with grades of "C" or better</i>		
<i>Advisory: ENGRD 110, ENGWR 101, and MATH 34 with grades of "C" or better</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
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 will be explored. Students will construct garments utilizing industrial sewing and serger machines as well as in-class sergers. One field trip is required. The cost per student to participate in this course is approximately \$60-\$125.		
<b>FASHN 370    Pattern Adjustment and Clothing Alterations</b>	<b>3 Units</b>	
<i>Prerequisite: FASHN 301, 350, and 351 with grades of "C" or better</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
Students will study a commercial pattern and make adjustments to fit body and proportion measurements. Students will also study the relationships of various body fitting differences. Garment fitting techniques and refinements will be completed on a sloper. These alterations will also be done on ready-to-wear garments. Students will provide these garments from thrift stores or their own collection. The cost per student to participate is approximately \$40-\$65.		
<b>FASHN 371    Draping Daywear</b>	<b>3 Units</b>	
<i>Prerequisite: FASHN 350 with a grade of "C" or better</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
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.		
<b>FASHN 372    Pattern Making and Design</b>	<b>3 Units</b>	
<i>Prerequisite: FASHN 351 with a grade of "C" or better, or equivalent.</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course offers an introduction to the flat pattern method of apparel design. Students will develop and 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.		
<b>FASHN 373    Pattern Drafting</b>	<b>3 Units</b>	
<i>Prerequisite: FASHN 372 with a grade of "C" or better</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
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.		
<b>FASHN 376    Advanced Design – Drafting, Advanced Flat Pattern Techniques and Computer Aided Design</b>	<b>3 Units</b>	
<i>Prerequisite: FASHN 372 with a grade of "C" or better</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
This course will include instruction on how to draft basic pattern pieces from measurements and 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.		
<b>FASHN 377    Draping Couture</b>	<b>3 Units</b>	
<i>Prerequisite: FASHN 301, 350, 351, 352, 371, and 372 with grades of "C" or better</i>		
<i>Advisory: ENGRD 110, ENGWR 101, and MATH 34 with grades of "C" or better</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>		
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.		
<b>FASHN 394    Apparel Entrepreneur</b>	<b>3 Units</b>	
<i>Prerequisite: None.</i>		
<i>Advisory: BUS 100 with a grade of "C" or better</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>		
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.		
<b>FASHN 495    Independent Studies in Fashion</b>	<b>1-3 Units</b>	
<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>		
<i>Hours: 36 hours LEC; 162 hours LAB</i>		
This course will give students the opportunities to investigate specific topics more directly.		
<b>FASHN 499    Experimental Offering in Fashion</b>	<b>.5-4 Units</b>	
<i>Prerequisite: None</i>		
<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC; 36 hours LAB</i>		
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

**Arabic – ARABIC**  
**Chinese-Cantonese-CANT**  
**French – FREN**  
**Greek – GREEK**  
**Italian – ITAL**  
**Japanese – JAPAN**  
**Korean – KOREAN**  
**Mandarin – MAND**



### 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 Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtaining 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.

#### Division of Humanities and Fine Arts

**Chris Iwata, Dean**  
**Performing Arts Center, room 137**  
**916-558-2551**

**Persian – PRSIAN**  
**Punjabi – PNJABI**  
**Russian – RUSS**  
**Spanish – SPAN**  
**Tagalog – TGLG**  
**Vietnamese – VIET**

- 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 <sup>1</sup>
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 <sup>2</sup>
ENGLT 335 Latino, Mexican-American, and Chicano Literature (3)	
ENGLT 346 Latin American Literature (3)	
ETHNS 341 The Sociology & Psychology of Mexicans and Latinos in the U.S. (3)	
HIST 373 History of Mexico (3)	
HIST 375 The History of Modern Latin America and Caribbean (3)	
SPAN 425 Advanced Reading and Conversation (3)	
SPAN 427 Introduction to Spanish American Literature (3)	

#### Total Units Required

19

<sup>1</sup> The recommended sequence for Spanish heritage speakers is: SPAN 413, 415, 411, and 412.

<sup>2</sup> 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

#### Associate in Arts (A.A.) 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.

## 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 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 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.

## French (FREN)

### 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:* AA/AS Area I; 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 Franco-phone world.

**FREN 412 Intermediate French 4 Units**

*Prerequisite: FREN 411 with a grade of "C" or better; or four 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*

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.

**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 echo. 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 299 Experimental Offering in Japanese .5-4 Units

*Prerequisite:* None  
*Hours:* 90 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 j y 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

In this course, students continue building a solid base of vocabulary and idioms in Japanese. Grammar includes more complex subordinate phrases and clauses. In addition to hiragana, students gain proficiency in the katakana syllabary and learn approximately 50 additional Sino-Japanese characters (kanji). Applied linguistic concepts occur within the context of an integrated examination of Japanese cultural and historical reference, reflecting both homogeneous and heterogeneous elements. The study of Japanese within this fertile framework promotes a vital cultural awareness, lending itself to fruitful cross-cultural analysis.

### JAPAN 411 Intermediate Japanese 4 Units

*Prerequisite:* JAPAN 402 with a grade of "C" or better  
*General Education:* AA/AS Area I; CSU Area C2; IGETC Area 6;  
 IGETC Area 6  
*Course Transferable to UC/CSU*  
*Hours:* 72 hours LEC

In this course, students continue learning vocabulary, idioms, and grammar with an emphasis on more complex sentence patterns, thus requiring understanding of additional verbal and adjectival conjugational patterns. Students are required to learn approximately 100 new kanji. Inclusive of previously mastered kanji, students will thus master a total estimated number of 200 kanji. Students are encouraged to learn some Japanese language skills independently, for example, through the development of various faculty-advised hobbies or interests, supplemented or aided by media resources as available. Discussions of Japanese culture continue via applied linguistic concepts. Language acquisition proceeds within the context of an integrated examination of Japanese cultural and historical reference, reflecting a rich tradition of both homogeneity and heterogeneity. The synthesis of culturally relevant materials along with the praxis of language acquisition lends itself to a fruitful promotion of cross-cultural analysis essential to a globalized world view.

## JAPAN 412 Intermediate Japanese

**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

In this course students learn new vocabulary, idioms, and grammar with the emphasis on Japanese language styles, for example, polite versus "humilific" expression styles. Students are required to learn approximately 100 additional Sino-Japanese characters, bringing the approximate number of mastered kanji to 300 in the two-year language sequence. Students learn to read and write simple sentences of literary Japanese. The course fully integrates culturally relevant aspects of the Japanese land and its people with close readings of famous literary works and exhaustive linguistic applications. By means of this framework of pragmatic language acquisition and skills, tempered with a multi-varied approach to culture, students are enabled to pursue more generalized cross-cultural analysis that is vital to a globalized world view.

### JAPAN 499 Experimental Offering in Japanese .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.

## 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

This course is designed for those who have minimal or no knowledge of Korean. The course will provide equal emphasis on reading, writing, speaking, and listening skills. The course is intended to help students acquire and develop a solid foundation of the modern Korean language.

### KOREAN 402 Elementary Korean 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.

<b>Mandarin (MAND)</b>		
<b>MAND 101</b>	<b>Conversational Mandarin, Elementary</b>	<b>3 Units</b>
<i>Prerequisite: None.</i> <i>Hours: 54 hours LEC</i> This beginning course in conversational Mandarin emphasizes the development of oral language skills essential for understanding and speaking elementary Mandarin useful for everyday communication.		
<b>MAND 102</b>	<b>Conversational Mandarin, Elementary</b>	<b>3 Units</b>
<i>Prerequisite: MAND 101 with a grade of "C" or better Hours: 54 hours LEC</i> 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.		
<b>MAND 299</b>	<b>Experimental Offering in Mandarin</b>	<b>.5-4 Units</b>
<i>Prerequisite: None Hours: 90 hours LEC See Experimental Offerings</i>		
<b>MAND 401</b>	<b>Elementary Mandarin</b>	<b>4 Units</b>
<i>Prerequisite: None. General Education: AA/AS Area I; CSU Area C2; IGETC Area 6 Course Transferable to UC/CSU Hours: 72 hours LEC</i> 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.		
<b>MAND 402</b>	<b>Elementary Mandarin</b>	<b>4 Units</b>
<i>Prerequisite: MAND 401 with a grade of "C" or better; Students who have taken two years of high school Mandarin will be prepared for this course. General Education: AA/AS Area I; CSU Area C2; IGETC Area 6 Course Transferable to UC/CSU Hours: 72 hours LEC</i> 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.		
<b>MAND 405</b>	<b>Chinese Characters</b>	<b>1 Unit</b>
<i>Prerequisite: None. Course Transferable to UC/CSU Hours: 18 hours LEC</i> 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.		
<b>MAND 411</b>	<b>Intermediate Mandarin</b>	<b>4 Units</b>
<i>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</i> This course is the continuation of MAND 402 with a review of grammar and further development of reading and writing skills in Mandarin. Passages from Chinese literature and readings on Chinese culture will be studied.		
<b>MAND 412</b>	<b>Intermediate Mandarin</b>	<b>4 Units</b>
<i>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</i> 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.		
<b>MAND 499</b>	<b>Experimental Offering in Mandarin</b>	<b>.5-4 Units</b>
<i>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</i>		
<b>Persian (PRSIAN)</b>		
<b>PRSIAN 401</b>	<b>Elementary Persian</b>	<b>4 Units</b>
<i>Prerequisite: None. General Education: AA/AS Area I; CSU Area C2; IGETC Area 6 Course Transferable to UC/CSU Hours: 72 hours LEC</i> 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.		
<b>PRSIAN 402</b>	<b>Elementary Persian</b>	<b>4 Units</b>
<i>Prerequisite: PERSIAN 401 with a grade of "C" or better or equivalent. General Education: AA/AS Area I; CSU Area C2; IGETC Area 6 Course Transferable to UC/CSU Hours: 72 hours LEC</i> This is a second semester course in Persian, the modern language of Iran. The course continues with the development of all language skills: listening, reading, speaking and writing. Students further develop their communication competency in the language and increase their understanding of Persian-speaking cultures. After completing this course, students will be able to use language skills to navigate daily life in a Persian-speaking community.		

## Punjabi (PNJABI)

### **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

This course is a comprehensive introduction to the contemporary Russian language and culture. Designed for learners with no previous knowledge of Russian, the course helps students develop all four basic communication skills (speaking, listening comprehension, reading, and writing.) The Russian culture is introduced through presentations, readings, and class discussions.

### **RUSS 402 Elementary Russian                          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

This is an intermediate course of the contemporary Russian language and culture. The highlights of this course are: increasing emphasis on listening and speaking skills, development of the vocabulary frequently used in mass media, development of the ability to draw and summarize information from authentic online sources (written or spoken), and further development of grammar skills. The course includes discussions on cultural aspects of today's Russia.

<b>RUSS 412      Intermediate Russian</b>	<b>4 Units</b>	<b>SPAN 111      Conversational Spanish, Intermediate</b>	<b>3 Units</b>
<i>Prerequisite: RUSS 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</i>		<i>Prerequisite: SPAN 102 with a grade of "C" or better Hours: 54 hours LEC</i> 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.	
<b>RUSS 499      Experimental Offering in Russian</b>	<b>.5-4 Units</b>	<b>SPAN 112      Conversational Spanish, Intermediate</b>	<b>3 Units</b>
<i>Prerequisite: None Course Transferable to UC/CSU Hours: 54 hours LEC</i>		<i>Prerequisite: SPAN 111 with a grade of "C" or better Hours: 54 hours LEC</i> 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.	
<b>Spanish (SPAN)</b>		<b>SPAN 299      Experimental Offering in Spanish</b>	<b>.5-4 Units</b>
<b>SPAN 101      Conversational Spanish, Elementary</b>	<b>3 Units</b>	<b>SPAN 401      Elementary Spanish</b>	<b>4 Units</b>
<i>Prerequisite: None. Hours: 54 hours LEC</i>		<i>Prerequisite: None. Advisory: ENGWR 51 or ESLG 50 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</i> This course introduces the language and culture of the Spanish-speaking world. It includes the development of listening, speaking, reading, and writing, with emphasis on the oral communication skills. It focuses on the application of simple, grammatical concepts. It also presents information about the geography, culture, and people of the Spanish-speaking world. (C-ID SPAN 100)	
<b>SPAN 102      Conversational Spanish, Elementary</b>	<b>3 Units</b>	<b>SPAN 402      Elementary Spanish</b>	<b>4 Units</b>
<i>Prerequisite: SPAN 101 with a grade of "C" or better Hours: 54 hours LEC</i>		<i>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</i> This course provides continued development of students' knowledge of the language and culture of the Spanish-speaking world. It includes further development of listening, speaking, reading, and writing, with continued emphasis on oral communication skills. It also presents additional information about the people, culture, and geography of the Spanish-speaking world. (C-ID SPAN 110)	

<b>SPAN 411      Intermediate Spanish      4 Units</b>	<b>SPAN 415      Spanish for Native Speakers II      4 Units</b>
<i>Prerequisite: SPAN 402 with a grade of "C" or better, or three years of high school Spanish with a grade of "C" or better</i>	<i>Prerequisite: SPAN 413 with a grade of "C" or better</i>
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6</i>	<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6</i>
<i>Course Transferable to UC/CSU</i>	<i>Course Transferable to UC/CSU</i>
<i>Hours: 72 hours LEC</i>	<i>Hours: 72 hours LEC</i>
This first-semester intermediate Spanish course is the continuation of SPAN 402. It provides further development of listening, speaking, reading, and writing, with continued emphasis on communicative skills. It covers more complex grammar topics. Students will be expected to engage in meaningful communicative situations without relying on learned responses. Additionally, students will increase their knowledge of the culture and customs of the Spanish-speaking world, and gain a deeper understanding of its values and traditions. (C-ID SPAN 200)	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. (C-ID SPAN 230)
<b>SPAN 412      Intermediate Spanish      4 Units</b>	<b>SPAN 425      Advanced Reading and Conversation      3 Units</b>
<i>Prerequisite: SPAN 411 with a grade of "C" or better; or four years of high school Spanish with a "C" grade or better.</i>	<i>Prerequisite: SPAN 412 or 415 with a grade of "C" or better</i>
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6</i>	<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B</i>
<i>Course Transferable to UC/CSU</i>	<i>Course Transferable to UC/CSU</i>
<i>Hours: 72 hours LEC</i>	<i>Hours: 54 hours LEC</i>
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)	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.
<b>SPAN 413      Spanish for Native Speakers I      4 Units</b>	<b>SPAN 427      Introduction to Spanish American Literature      3 Units</b>
<i>Prerequisite: Spanish native speaker proficiency, or the equivalent intermediate level as assessed by the instructor</i>	<i>Prerequisite: SPAN 412 or 415 with a grade of "C" or better</i>
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B; IGETC Area 6</i>	<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B</i>
<i>Course Transferable to UC/CSU</i>	<i>Course Transferable to UC/CSU</i>
<i>Hours: 72 hours LEC</i>	<i>Hours: 54 hours LEC</i>
This course offers the fundamentals of spoken and written Spanish for the native speaker of Spanish. It covers the structure of the language, oral communication, and fundamentals of grammar and composition. Focus is placed primarily on the indicative tenses. The course also covers diacritical marks, such as the accent mark, and their uses. In addition, the course introduces the student to the geography, history, and culture of the Spanish-speaking world. This course is conducted in Spanish. (C-ID SPAN 220)	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.
<b>SPAN 428      Contrastive Grammar of English-Spanish      3 Units</b>	
<i>Prerequisite: SPAN 412 or 415 with a grade of "C" or better</i>	
<i>Course Transferable to CSU</i>	
<i>Hours: 54 hours LEC</i>	
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.	

<b>SPAN 434</b>	<b>Spanish for the Professions – Intermediate</b>	<b>3 Units</b>	<b>TGLG 499</b>	<b>Experimental Offering in Tagalog</b>	<b>.5-4 Units</b>
<i>Prerequisite: SPAN 102 or 402 with a grade of "C" or better</i>			<i>Prerequisite: None</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>		
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.			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.		
<b>SPAN 499</b>	<b>Experimental Offering in Spanish</b>	<b>.5-4 Units</b>	<b>VIET 401</b>	<b>Elementary Vietnamese</b>	<b>4 Units</b>
<i>Prerequisite: None</i>			<i>Prerequisite: None</i>		
<i>Course Transferable to UC/CSU</i>			<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 6</i>		
<i>Hours: 54 hours LEC</i>			<i>Course Transferable to UC/CSU</i>		
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.			<i>Hours: 72 hours LEC</i>		
<b>Tagalog (TGLG)</b>			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.		
<b>TGLG 401</b>	<b>Elementary Tagalog</b>	<b>4 Units</b>	<b>VIET 402</b>	<b>Elementary Vietnamese</b>	<b>4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: VIET 401 with a grade of "C" or better</i>		
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 6</i>			<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 6</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 72 hours LEC</i>			<i>Hours: 72 hours LEC</i>		
This course is an introduction to Tagalog. It is designed for beginning students with limited or no previous exposure to the language. The course covers Tagalog sounds, pronunciation, pitch and intonations, basic vocabulary, and grammar. The focus is on developing vocabulary set in high occurrence sentence patterns relating to everyday situations such as greetings and introductions, making friends, talking about self and others, shopping, etc. Grammar will emphasize simple sentences, sentence formations, verb conjugations, and functions. The development of basic skills (listening, speaking, and writing) in a cultural context will be a special focus.			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.		
<b>TGLG 402</b>	<b>Elementary Tagalog</b>	<b>4 Units</b>	<b>VIET 499</b>	<b>Experimental Offering in Vietnamese</b>	<b>.5-4 Units</b>
<i>Prerequisite: TGLG 401 with a grade of "C" or better</i>			<i>Prerequisite: None</i>		
<i>General Education: AA/AS Area I; CSU Area C2; IGETC Area 6</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 54 hours LEC; 36 hours LAB</i>		
<i>Hours: 72 hours LEC</i>			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



## 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 Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

### Division of Behavioral and Social Sciences

Kasey Gardner, Dean  
Rodda Hall North, room 226  
916-558-2401

### 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 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<sup>1</sup>

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

<sup>1</sup>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.

## Geography (GEOG)

**GEOG 300 Physical Geography: Exploring Earth's Environmental Systems 3 Units**

*Prerequisite:* None.

*Corequisite:* GEOG 301

*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 on the Earth 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.

**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, and severe weather conditions. In addition, global, regional, and local climates are investigated. Student work will include weather observations and analysis of atmospheric data using charts, weather maps, and radar and satellite imagery from the Internet and other sources. Field trips may be required to reinforce course content. (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 the world's oceans from chemical, biological and human perspectives. Topics include ocean and shoreline processes, plate tectonics, sea floor morphology, types and distribution of seafloor sediment, ocean sediment transport, ocean chemistry, ocean currents, marine resources, and environmental concerns. Regional oceanographic features are emphasized and a field trip may be required to reinforce course content.

<b>GEOG 310</b>	<b>Human Geography: Exploring Earth's Cultural Landscapes</b>	<b>3 Units</b>	<b>GEOG 353</b>	<b>Introduction to the Global Positioning System (GPS)</b>	<b>1 Unit</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>Advisory:</i> ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.			<i>Advisory:</i> CISC 300 or equivalent with a grade of "C" or better		
<i>General Education:</i> AA/AS Area V(b); AA/AS Area VI; CSU Area D5; IGETC Area 4E			<i>Course Transferable to CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours:</i> 16 hours LEC; 6 hours LAB		
<i>Hours:</i> 54 hours LEC			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.		
<b>GEOG 320</b>	<b>World Regional Geography</b>	<b>3 Units</b>	<b>GEOG 391</b>	<b>Field Studies in Geography: Mountain Landscapes</b>	<b>1-4 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>Advisory:</i> ENGRD 310 and ENGWR 101, or ESLR 320 and ESLW 310, with grades of "C" or better.			<i>Course Transferable to CSU</i>		
<i>General Education:</i> AA/AS Area V(b); CSU Area D5; IGETC Area 4E			<i>Hours:</i> 244 hours LEC; 144 hours LAB		
<i>Course Transferable to UC/CSU</i>			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)		
<i>Hours:</i> 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)					
<b>GEOG 331</b>	<b>Exploring Maps and Geographic Technologies</b>	<b>3 Units</b>	<b>GEOG 392</b>	<b>Field Studies in Geography: Coastal Landscapes</b>	<b>1-4 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>Advisory:</i> CISC 300 or equivalent with a grade of "C" or better			<i>Course Transferable to CSU</i>		
<i>General Education:</i> AA/AS Area IV			<i>Hours:</i> 24 hours LEC; 144 hours LAB		
<i>Course Transferable to UC/CSU</i>			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)		
<i>Hours:</i> 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, 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)					
<b>GEOG 334</b>	<b>Introduction to GIS Software Applications</b>	<b>3 Units</b>	<b>GEOG 393</b>	<b>Field Studies in Geography: Arid Landscapes</b>	<b>1-4 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>Advisory:</i> CISC 300 or equivalent with a grade of "C" or better			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 24 hours LEC; 144 hours LAB		
<i>Hours:</i> 50 hours LEC; 12 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)		
This course provides the conceptual and practical foundations for using Geographic Information Systems (GIS) software. It emphasizes basic GIS software functionality including map display, attribute and spatial query, address geocoding, spatial database management, spatial analysis, cartographic presentation, and spatial data management.					

**GEOG 394 Field Studies in Geography: 1-4 Units  
Volcanic Landscapes**

*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: 162 hours LAB*

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.

**Degree:****AS-T – Geology for Transfer****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 Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

**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.

**Division of Science and Allied Health**

**James Collins, Dean**  
**South Gym, room 220**  
**916-558-2271**

<b>Required Program</b>	<b>Units</b>
GEOL 302 Physical Geology .....	4
GEOL 310 Historical Geology.....	3
GEOL 311 Historical Geology Laboratory.....	1
CHEM 400 General Chemistry I.....	5
CHEM 401 General Chemistry II.....	5
MATH 400 Calculus I .....	5
MATH 401 Calculus II .....	5
<b>Total Units Required</b>	<b>28</b>

**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)

<b>GEOL 305    Earth Science</b>	<b>3 Units</b>	<b>GEOL 310    Historical Geology</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
Advisory: MATH 100 with a grade of "C" or better and ENGRD 310 and ENGWR 300, or ESLR 340 and ESLR 340, with grades "C" or better.		Advisory: ENGRD 310 and ENGWR 300, or ESLR 310 and ESLW 310, with grades of "C" or better. Concurrent enrollment in GEOL 311 is recommended.	
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A		General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LEC		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)		This course covers the origin and geologic history of the Earth and the evolution of its living organisms. Plate tectonic theory is used to explain changes in composition and structure of rocks of the Earth's crust from the formation of the Earth to the present. Emphasis is placed on the formation of sedimentary rocks and the fossils contained within them for the purpose of understanding how they record changes in Earth's environmental processes and ecosystems. Evolution and extinction are studied to understand how they reflect environmental changes in the Earth's ocean, atmosphere, and surface. One field trip experience may be required. (C-ID GEOL 110)	
<b>GEOL 306    Earth Science Laboratory</b>	<b>1 Unit</b>	<b>GEOL 311    Historical Geology Laboratory</b>	<b>1 Unit</b>
Prerequisite: None.		Prerequisite: None.	
Corequisite: GEOL 305		Corequisite: GEOL 310	
Advisory: MATH 100 with a grade of "C" or better and or ENGRD 310 and ENGWR 300, or ESLR 310 and ESLW 310, with grades of "C" or better.		Advisory: MATH 100 or MATH 104 with a grade of "C" or better and ENGRD 310 and ENGWR 300, or ESLR 310 and ESLW 310, with grades of "C" or better.	
General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A		General Education: AA/AS Area IV; CSU Area B3; IGETC Area 5A	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LAB		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)		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)	
<b>GEOL 308    Introduction to Geology</b>	<b>3 Units</b>	<b>GEOL 325    Environmental Hazards and Natural Disasters</b>	<b>3 Units</b>
Prerequisite: None.		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.		Advisory: MATH 100 or 104; AND ENGRD 110, ENGWR 101 OR ESL 325 with a grade of "C" or better	
General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A		General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LEC		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.		This course covers the Earth systems and environmental effects and applications of Earth-related processes. It focuses on earthquakes, volcanic eruptions, landslides, flooding, and hurricanes, as well as covering related current events. Topics also include the availability and exploitation of natural resources, waste disposal, and global climate change. Humans as a force in environmental change are emphasized. This course addresses geology, engineering, environmental studies, natural resources, geography, and science education. One field trip may be required.	

<b>GEOL 345      Geology of California</b>	<b>3 Units</b>	<b>GEOL 499      Experimental Offering in Geology</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None</i>	
<i>Advisory: ENGRD 310 and ENGWR 300, or ESLR 310 and ESLW 310, with grades of "C" or better.</i>		<i>Course Transferable to UC/CSU</i>	
<i>General Education: AA/AS Area IV; CSU Area B1; IGETC Area 5A</i>		<i>Hours: 54 hours LEC; 36 hours LAB</i>	
<i>Course Transferable to UC/CSU</i>		<i>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.</i>	
<i>Hours: 54 hours LEC</i>			
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)			
<b>GEOL 391      Field Studies in Geology</b>	<b>1-3 Units</b>		
<i>Prerequisite: GEOL 302, 305, 308, or 310 with a grade of "C" or better</i>			
<i>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.</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 18 hours LEC; 108 hours LAB</i>			
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).			
<b>GEOL 495      Independent Studies in Geology</b>	<b>1-3 Units</b>		
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 162 hours LAB</i>			
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.			

**Gerontology****GERON****Degree:**

A.S. – Gerontology

**Certificate of Achievement:**  
Gerontology**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 a Sacramento City College counselor is also advised.

**Career Opportunities**

As our population ages, almost every industry is serving the growing population of older adults. Research has demonstrated that, regardless of career path, having training in gerontology is beneficial for those seeking employment. Some possible career opportunities may include but are not limited to: elder care, program aide or assistant, geriatric aide, home care specialist, home health aide, inter-generational care provider, and professional caregiver.

**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:**

- demonstrate skill, ease, confidence, rapport, and listening skills when communicating with the elderly at different cognitive levels.
- evaluate and discuss similarities and differences surrounding diverse aging populations as they relate to life expectancy, mortality, mobility, family, work, retirement, mental health, death, lifestyles, sexuality, and use of services.
- discuss the impact of language and other cultural factors that influence drug education, drug use, and treatment options with the elderly.
- evaluate common methods of care for the dying including hospitals, skilled nursing facilities, and hospice care.
- recognize and identify risk of caregiver stress in cases of Alzheimer's and other dementia.
- identify and evaluate elder abuse causes, prevention strategies, and resources.
- identify strategies for meeting the challenges of aging within a sociocultural framework.
- recognize and evaluate demographic, socioeconomic, legal, and physiologic aspects of aging.
- develop practical workplace skills and knowledge needed for employment.

**Division of Behavioral and Social Science**

Kasey Gardner, Dean

Rodda Hall North, room 226

916-558-2401

**Required Program**

	<b>Units</b>
GERON 300 Sociology of Aging (3).....	3
or SOC 335 Sociology of Aging (3)	
GERON 301 The Biology and Physiology of Aging.....	3
GERON 302 Psychology of Aging: Adult Development and Aging (3).....	3
or PSYC 374 Psychology of Aging: Adult Development and Aging (3)	
or FCS 324 Human Development: A Life Span (3)	
or PSYC 370 Human Development: A Life Span (3)	
NUTRI 300 Nutrition (3) .....	3
or NUTRI 480 Nutrition Honors (3)	
PSYC 390 Psychology of Death and Dying .....	3
A minimum of 3 units from the following:.....	3
GERON 498 Work Experience in Gerontology (1 – 4)	
<b>Total Units Required</b>	<b>18</b>

**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 effected by an aging population. The course includes an analysis of demographics, history of aging in America, social conditions, resources and support systems, employment, retirement, social class, and cultural differences. Students will be encouraged to reflect on their status in the sociology of aging process. (Credit awarded for GERON 300 or SOC 335.)

<b>GERON 301</b>	<b>The Biology and Physiology of Aging</b>	<b>3 Units</b>	<b>GERON 498</b>	<b>Work Experience in Gerontology</b>	<b>1-4 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>General Education:</i> AA/AS Area III(b)			<i>Course Transferable to CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours:</i> 18 hours LEC; 300 hours LAB		
<i>Hours:</i> 54 hours LEC			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.		
<b>GERON 302</b>	<b>Psychology of Aging: Adult Development and Aging</b>	<b>3 Units</b>			
<i>Same As:</i> PSYC 374					
<i>Prerequisite:</i> None.					
<i>Advisory:</i> 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					
<i>General Education:</i> AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area ; IGETC Area 4I					
<i>Course Transferable to UC/CSU</i>					
<i>Hours:</i> 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.					
<b>GERON 494</b>	<b>Topics in Gerontology</b>	<b>.5-4 Units</b>	<b>GERON 499</b>	<b>Experimental Offering in Gerontology</b>	<b>.5-4 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None		
<i>Advisory:</i> ENGWR 101 and ENGRD 110 with a grade "C" or better.			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 54 hours LEC; 36 hours LAB		
<i>Hours:</i> 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.		
<b>GERON 495</b>	<b>Independent Studies in Gerontology</b>	<b>1-3 Units</b>			
<i>Prerequisite:</i> None.					
<i>Course Transferable to CSU</i>					
<i>Hours:</i> 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 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.					

## **Global Studies (GLST)**

### **GLST 301      Introduction to Global Studies      3 Units**

*Prerequisite: None.*

*Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better*

*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 the interdisciplinary field of Global Studies. Students will look at globalization through the lenses of history, economics, political science, geography, environment, and culture. They will understand the history and key features of the pro and anti-globalization debates, and will follow how popular struggles for social justice have shaped, and resisted, the global order.

### **GLST 302      Global Issues      3 Units**

*Prerequisite: None.*

*Advisory: ENGWR 300 or ESLW 340 with a grade of "C" or better*

*General Education: AA/AS Area V(b); AA/AS Area VI*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course introduces students to the origins, current status, and future trends of major transnational issues confronting the global community. Topics include population trends, economic development and inequality, basic human needs (for food, water, health care), human rights, international conflict and security concerns, military actions, competition over resources, movements for independence and social justice, and environmental problems. The course also focuses on global governance, including the study of collective global responsibilities towards a just global order, with emphasis on the social justice struggles of economic, ethnic, racial, and national groups challenged by regional or global powers.

**Division of Advanced Technology  
Donnetta Webb, Dean  
Technology, room 106  
916-558-2491**

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**See Design and Digital Media**

## 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 focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. This course will include, but not be limited to, the study of physical and psychological health, creating healthy and caring relationships, avoiding and overcoming harmful habits, building healthy lifestyles, preventing and fighting disease, and facing life's challenges. Specific topics may include the study of physical, mental, spiritual, social, and emotional health; managing stress; prevention of violence; sexuality; birth control; pregnancy; childbirth; prevention of sexually transmitted diseases, including AIDS; drug, alcohol, and tobacco use and abuse; nutrition and fitness; prevention of communicable diseases.

#### HEED 301 Health and Societal Issues 3 Units

*Prerequisite:* None.

*General Education:* AA/AS Area III(b); CSU Area E1

*Course Transferable to CSU*

*Hours:* 54 hours LEC

This course will include the study of behavior change modalities, genetic health history, stress management, and sleep; and how they relate to alcohol and tobacco, drugs, infectious diseases, cardiovascular diseases, diabetes, chronic lung disease, cancer, injury and violence, complementary and alternative medicine, and environmental issues.

#### 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 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 340 College Success For The Student Athlete 3 Units

*Prerequisite:* None.

*Advisory:* ENGRD 110 and ENGWR 101 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 to assist student athletes in obtaining the skills and knowledge necessary to reach their educational objective. Topics to be covered include: eligibility and recruitment information as mandated by the California Community College Athletic Association (CCCAA) and transfer requirements mandated by the National Collegiate Athletic Association. Other topics include: motivation, discipline, memory development, time management, career planning, study skills and techniques, nutrition, drug and alcohol abuse, and violence. Campus resources will be covered. It is highly recommended for student athletes.

#### HEED 353 Healthy Eating, Stress Management, and Weight Control 3 Units

*Prerequisite:* None.

*General Education:* AA/AS Area III(b); CSU Area E1

*Course Transferable to CSU*

*Hours:* 54 hours LEC

This course focuses on healthy eating through understanding the various macronutrients and how to obtain the necessary variety needed for weight management goals while striving to eat whole foods. Weight loss programs and their effectiveness in obtaining a healthy balance will be reviewed. The role of stress management in one's personal health choices or those issues that are outside of a person's control will be addressed. A variety of stress management strategies will be discussed. The importance and application of functional fitness designed to train muscles to work together and prepare for daily tasks will be discussed and applied during the course of the semester.

**HEED 495      Independent Studies in                  1-3 Units  
Health Education**

*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 Health Education offers students a chance to do research that is more typical of community and graduate student work.

**HEED 499      Experimental Offering in                  .5-4 Units  
Health Education**

*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****Kasey Gardner, Dean****Rodda Hall North, room 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 remote and recent past. The program develops critical thinking through exposure to a variety of historical themes, analysis and evaluation of evidence, and different points of view. The major prepares students for transfer to B.A. programs in history. It also equips students for careers in business, government, teaching, law, or journalism.

**Transfer 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:**

- evaluate and analyze diverse experiences and perspectives in history through an examination of conflicting narratives and power imbalances.
- demonstrate an understanding of distinct local, regional, and global experiences and their interconnectedness to foster active civic engagement.
- generate significant open-ended questions about the past, and critically analyze primary and secondary sources to construct oral and written historical arguments.
- demonstrate breadth of knowledge of important social, economic, cultural, political, and intellectual currents while recognizing the continuum between the past and present.

**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)

HIST 381 Modern Palestinian History and Culture (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 remote and recent past. The program develops critical thinking through exposure to a variety of historical themes, analysis and evaluation of evidence, and different points of view. Completion of the major prepares students for transfer to B.A. programs in history and for graduate studies in history leading to the M.A. and Ph.D. degrees. It also equips students for careers in business, government, teaching, law, or journalism. The Associate in Arts in History for Transfer (AA-T) prepares students for seamless transfer into the CSU system to complete a baccalaureate in History or related field.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

- (1) Completion of a minimum of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - (A) The 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:**

- evaluate and analyze diverse experiences and perspectives in history through an examination of conflicting narratives and power imbalances.
- demonstrate an understanding of distinct local, regional, and global experiences and their interconnectedness to foster active civic engagement.
- generate significant open-ended questions about the past, and critically analyze primary and secondary sources to construct oral and written historical arguments.
- demonstrate breadth of knowledge of important social, economic, cultural, political, and intellectual currents while recognizing the continuum between the past and present.

<b>Required Program</b>	<b>Units</b>
HIST 300 History of Western Civilization (3).....	3
or HIST 307 History of World Civilizations to 1500 (3)	
HIST 302 History of Western Civilization (3).....	3
or HIST 308 History of World Civilizations, 1500 to Present (3)	
HIST 310 History of the United States (3).....	3
or HIST 320 History of the United States: African-American Emphasis (3)	
or HIST 483 History of the United States – Honors (3)	
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)	
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)	
HIST 381 Modern Palestinian History and Culture (3)	
One course from the following group if not used above:	
A minimum of 3 units from the following:.....	3
ANTH 310 Cultural Anthropology (3)	
or ANTH 481 Honors Cultural Anthropology (3)	
ANTH 320 Introduction to Archaeology and World Prehistory (3)	
ECON 302 Principles of Macroeconomics (3)	
ETHNS 300 Introduction to Ethnic Studies (3)	
GEOG 320 World Regional Geography (3)	
HIST 307 History of World Civilizations to 1500 (3)	
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)	
HIST 381 Modern Palestinian History and Culture (3)	
POLS 310 Introduction to International Relations (3)	
or POLS 480 Introduction to International Relations – Honors (3)	
PSYC 320 Social Psychology (3)	
SOC 321 Race, Ethnicity and Inequality in the United States (3)	
or SOC 482 Race, Ethnicity and Inequality in the United States – Honors (3)	
WGS 300 Introduction to Women and Gender Studies (3)	
<b>Total Units Required</b>	<b>18</b>

**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: None.*

*Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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 Reformation. The focus of the course will be on the history of Europe, including a general account of those political, economic, and social institutions as well as the cultural and intellectual forces that have contributed to the making of European societies. The course will examine prehistorical culture, the Ancient Near East, Greece, Rome, the Middle Ages, the Renaissance, and the Reformation. Students should expect to write a minimum of 3,000 words. (C-ID HIST 170)

**HIST 302      History of Western Civilization      3 Units**

*Prerequisite: None.*

*Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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. Students should expect to write a minimum of 3,000 words. (C-ID HIST 180)

**HIST 307      History of World Civilizations      3 Units  
to 1500**

*Prerequisite: None.*

*Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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,      3 Units  
1500 to Present**

*Prerequisite: None.*

*Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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)

<b>HIST 309</b>	<b>World History in the Twentieth Century</b>	<b>3 Units</b>	<b>HIST 314</b>	<b>Recent United States History</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.		
General Education: AA/AS Area V(a); AA/AS Area VI; CSU Area D6; IGETC Area 4F			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			Course Transferable to UC/CSU		
Hours: 54 hours LEC			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.			This course covers United States history from 1945 to the present, offering an in-depth study of post-World War II United States history. The course emphasizes the role played by political, economic, social, cultural, and intellectual forces in shaping the American past and leading to present society. A major focus is the culture and development of multiple ethnic groups in a comparative format. Credit may be earned for HIST 314 or HIST 485, but not both.		
<b>HIST 310</b>	<b>History of the United States</b>	<b>3 Units</b>	<b>HIST 320</b>	<b>History of the United States: African-American Emphasis</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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			General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D; CSU Area F1; CSU Area F2; IGETC Area 3B; IGETC Area 4		
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours: 54 hours LEC			Hours: 54 hours LEC		
This course surveys the history of the United States by examining its Native American, European, and African backgrounds beginning with pre-historic migrations of America's first inhabitants through the end of Reconstruction in 1877. This course emphasizes the roles played by cultural, economic, intellectual, political, and social institutions in American history, with an eye toward understanding the history of multiple ethnic groups in a comparative framework. Credit may be earned for History 310 or History 483, but not for both. (C-ID HIST 130)			This course covers the development of American Institutions and society through Reconstruction and fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, cultural, and intellectual forces in American society and the development of multiple ethnic groups in a comparative format. Beginning on the African Continent, this course will also examine the origins of the Atlantic Slave Trade and its implications for North American labor systems, including slavery. The course pays particular attention to the ways in which black people have influenced the formation and development of this nation; and examines the ways in which racial issues have shaped American society, culture, and politics. Credit may be earned for HIST 320 or HIST 486, but not both. (C-ID HIST 130)		
<b>HIST 311</b>	<b>History of the United States</b>	<b>3 Units</b>	<b>HIST 321</b>	<b>History of the United States: African-American Emphasis</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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			General Education: AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D; CSU Area F1; CSU Area F2; CSU Area F3; IGETC Area 3B; IGETC Area 4		
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours: 54 hours LEC			Hours: 54 hours LEC		
This course covers the development of American Institutions and society from Reconstruction to the present and partially fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, social, cultural, and intellectual forces on the culture and development of multiple ethnic groups in a comparative format. HIST 484 is the "honors" equivalent of HIST 311. Students eligible for the Honors Program may elect to take HIST 484 instead of History 311. Because of the close similarity of the courses credit may be earned for HIST 311 or for HIST 484 but not for both. (C-ID HIST 140)			This course covers the development of American Institutions and society from Reconstruction to the present and partially fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, cultural, and intellectual forces in American society and the development of multiple ethnic groups in a comparative format. Beginning with a review of the Civil War, HIST 321 closely examines the Reconstruction Era, the societal "place" of African Americans, the development of "Jim Crow" segregation, and the subsequent legal demise of segregation in American life. This course pays close attention to the ways in which African American people have subsequently shaped and contributed to American society, culture, and politics. Credit may be earned for HIST 321 or HIST 487, but not both. (C-ID HIST 140)		

<b>HIST 327</b>	<b>History of the Chicano/Mexican American</b>	<b>3 Units</b>	<b>HIST 364</b>	<b>Asian Civilization</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.			
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.		Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			
General Education: AA/AS Area V(b); AA/AS Area VI		General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area C2; CSU Area D6; IGETC Area 3B			
Course Transferable to CSU		Course Transferable to UC/CSU			
Hours: 54 hours LEC		Hours: 54 hours LEC			
This course examines the history of Chicanos/Mexican Americans in North America. It explores pre-Columbian civilizations and the experiences of Chicanos/Mexican Americans within the United States from the colonial period to the present. This course investigates the social, political, economic, legal, and cultural experiences of Chicanos/Mexican Americans and their contributions to American institutions.		This course surveys Asian civilizations to 1600 with an emphasis on East Asia and South Asia. The course focuses on the major social, cultural, economic, and political transformations of Asia, particularly highlighting the influence of these peoples and states on each other and the world. The course will provide students with a historical understanding of topics such as: the rise of complex societies, states, and empires across Asia; the relationship between settlement-based civilizations and the herding civilizations of Central Asia; the emergence of various philosophies, religions, and identities across Asia; Asian technology and innovations; the impact of the Mongol Empire; and the changing relationship of Asia to the wider world.			
<b>HIST 344</b>	<b>Survey of California History: A Multicultural Perspective</b>	<b>3 Units</b>	<b>HIST 365</b>	<b>Asian Civilization</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.			
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.		Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D6; IGETC Area 4F		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		Course Transferable to UC/CSU			
Hours: 54 hours LEC		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.		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.			
<b>HIST 360</b>	<b>History of African Civilizations</b>	<b>3 Units</b>	<b>HIST 373</b>	<b>History of Mexico</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.			
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.		Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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		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		Course Transferable to UC/CSU			
Hours: 54 hours LEC		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.		This general survey of Mexican history introduces the cultural, economic, political, and social factors that have shaped Mexico from the pre-Columbian era to the present. Topics of study include pre-Columbian civilizations such as the Olmecs, Maya, and Aztecs and their cultural contributions through architecture and fine arts, the Spanish conquest, colonial New Spain, race, class, and gender in Mexican society, wars of independence and nation building, foreign invasions by the United States and France, the age of Porfirio Diaz, the Revolution of 1910, the modernization of Mexico, and U.S.-Mexico relations.			

<b>HIST 375</b>	<b>The History of Modern Latin America and Caribbean</b>	<b>3 Units</b>	<b>HIST 483</b>	<b>History of the United States – Honors</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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			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		
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours: 54 hours LEC			Hours: 54 hours LEC		
This course offers a general survey of Latin America and Caribbean history from the 19th century to the present, with focus on social, political, economic, and cultural developments. Course themes include the complex and gradual process of nation building, the region's incorporation into the global economy, the impact this has had on development and consequential nationalistic re-assertions, the way in which notions of race, class, and gender have informed these processes; the politics of populism, revolution, dictatorship and democracy; and the complex relationship Latin America and the Caribbean share with the United States.			This course surveys the history of the United States by examining its Native American, European, and African backgrounds, beginning with Indigenous peoples before 1492 and ending with the collapse of Reconstruction in 1877. This course emphasizes the roles played by cultural, economic, intellectual, political, and social institutions in American history, with an eye toward understanding the history of multiple ethnic groups in a comparative framework. The class is conducted in a seminar format and uses an intensive instructional methodology that is designed to challenge motivated students. Because of the similarity of the courses, credit may be earned for only one of the following courses: History 310, 320, 483, or 486. (C-ID HIST 130)		
<b>HIST 380</b>	<b>History of the Middle East</b>	<b>3 Units</b>	<b>HIST 484</b>	<b>History of the United States – Honors</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, 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			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			Course Transferable to UC/CSU		
Hours: 54 hours LEC			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.			This course is an introduction to the study of American history from 1865 to the present day. It is a seminar-style honors course that uses an intensive instructional methodology that is designed to challenge motivated students and cultivate advanced critical thinking skills. Particular emphasis will be placed on the role played by the complex interrelationships of political, economic, social, and cultural forces in United States history after the Civil War and the role played by multiple ethnic groups as well. This course is not open to students who have completed HIST 311. (C-ID HIST 140)		
<b>HIST 381</b>	<b>Modern Palestinian History and Culture</b>	<b>3 Units</b>	<b>HIST 485</b>	<b>Recent United States History – Honors</b>	<b>3 Units</b>
Prerequisite: None.			Prerequisite: None.		
Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			Advisory: Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.		
General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4			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			Course Transferable to UC/CSU		
Hours: 54 hours LEC			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 16th century Ottoman rule to the present. The course covers the impacts of Ottoman rule, the pressures of British and French imperialism, the British Mandate over Palestine, the establishment of the state of Israel, and current Palestinian realities. Palestine's social and cultural diversity, as well as its place in the imagination of people and movements outside the region, is an important part of its history.			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.		

<b>HIST 486</b>	<b>History of the United States: African American Emphasis – Honors</b>	<b>3 Units</b>	<b>HIST 495</b>	<b>Independent Studies in History</b>	<b>1-3 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>Advisory:</i> Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			<i>Advisory:</i> Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.		
<i>General Education:</i> AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 162 hours LAB		
<i>Hours:</i> 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.		
This course covers the development of American Institutions and society through Reconstruction and partially fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, cultural, and intellectual forces in American society and the development of multiple ethnic groups in a comparative format. Beginning on the African Continent, this course will also examine the origins of the Atlantic Slave Trade and its implications for North American labor systems, including slavery. The course pays particular attention to the ways in which black people have influenced the formation and development of this nation; and examine the ways in which racial issues have shaped American society, culture, and politics. The class is conducted in a seminar format and uses intensive instructional methodology that is designed to challenge motivated students. Credit may be earned for HIST 320 or HIST 486, but not both.					
<b>HIST 487</b>	<b>History of the United States: African American Emphasis – Honors</b>	<b>3 Units</b>	<b>HIST 499</b>	<b>Experimental Offering in History</b>	<b>.5-4 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None		
<i>Advisory:</i> Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.			<i>Course Transferable to UC/CSU</i>		
<i>General Education:</i> AA/AS Area V(a); AA/AS Area V(b); AA/AS Area VI			<i>Hours:</i> 54 hours LEC		
<i>Course Transferable to CSU</i>			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.		
<i>Hours:</i> 54 hours LEC					
This course covers the development of American Institutions and society from Reconstruction to the present and partially fulfills American Institutions requirements for California State University and the University of California. The course emphasizes the role played by political, economic, cultural, and intellectual forces in American society and the development of multiple ethnic groups in a comparative format. Beginning with a review of the Civil War, HIST 487 closely examines the Reconstruction Era, the societal “place” of African Americans, the development of “Jim Crow” segregation, and the subsequent legal demise of segregation in American life. This course pays close attention to the ways in which African American people have subsequently shaped and contributed to American society, culture, and politics. Credit may be earned for HIST 487 or HIST 321, but not both. (C-ID HIST 140)					
<b>HIST 494</b>	<b>Topics in History</b>	<b>.5-4 Units</b>			
<i>Prerequisite:</i> None.					
<i>Advisory:</i> Eligibility for ENGWR 300, ENGWR 108, or ESLW 340, or placement through the assessment process.					
<i>Course Transferable to CSU</i>					
<i>Hours:</i> 72 hours LEC					
The content of this course will differ each time the course is offered. The objective is to examine various issues of historical significance. U.C. transfer credit will be awarded only after the course has been evaluated by the enrolling U.C. campus. The units completed for this course cannot be counted toward the minimum 60 units required for admission.					

**Human Career Development****HCD**

**Division of Counseling and Student Success**  
**Dr. Andre Coleman, Dean**  
**Rodda Hall North, room 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 and small group course offering learning strategies and instructional intervention for students who have difficulty learning English concepts despite traditional methods of instruction. This course is designed and monitored by the Learning disAbilities Program instructor to develop the processing 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.**Enrollment Limitation: Student may take this class as long as they are also enrolled in a math class. This class supports math instruction.**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 86 Basic Math Strategies 2 Units***Prerequisite: None.**Corequisite: MATH 28 or 34**Hours: 18 hours LEC; 54 hours LAB*

This course will cover study strategies for students with learning disabilities, who have difficulty in MATH 28 or MATH 34.

**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 Pass/No Pass 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. 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 118 College Readiness – Success Academy 3 Units***Prerequisite: None.**Enrollment Limitation: Instructor consent required for enrollment.**Hours: 54 hours LEC*

This course provides students with an introduction to student learning expectations and the outcomes of higher education. The course will introduce students to strategies for graduating from community college and university systems by exploring four central themes: (1) Academic Success, (2) Community, (3) Transition, and (4) Safety and Wellness. Success strategies and support services are integrated through the course in the following areas: team building activities, student and faculty mentoring, academic skills, personal life management, and educational navigation. University and/or related field trips may be required.

<b>HCD 138</b>	<b>MESA/CCCP Orientation</b>	<b>1 Unit</b>	<b>HCD 312</b>	<b>Guidance for U.S. Newcomers</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Hours: 18 hours LEC</i>			<i>General Education: AA/AS Area III(b)</i>		
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.			<i>Course Transferable to CSU</i>		
<b>HCD 299</b>	<b>Experimental Offering in Human Career Development</b>	<b>.5-4 Units</b>	<b>HCD 318</b>	<b>Transfer: Making It Happen</b>	<b>2 Units</b>
<i>Prerequisite: None</i>			<i>Prerequisite: None.</i>		
<i>Hours: 90 hours LEC</i>			<i>Course Transferable to UC/CSU</i>		
See Experimental Offerings			<i>Hours: 36 hours LEC</i>		
<b>HCD 302</b>	<b>The Puente Project</b>	<b>1 Unit</b>	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.		
<i>Prerequisite: None.</i>					
<i>Enrollment Limitation: Students must meet eligibility requirements for the Puente Program and be admitted to the Puente Program via Instructor consent.</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 18 hours LEC</i>					
This course is designed to assist under-represented, motivated students by promoting transfer, student success, and community leadership. Topics in this course include time management, graduation and transfer requirements, campus and community resources, creating a personal statement, and developing mentor relationships. Field trips may be required. Alternative assignments will be provided for those students who cannot participate on the field trips.					
<b>HCD 310</b>	<b>College Success</b>	<b>3 Units</b>	<b>HCD 330</b>	<b>Life and Career Planning</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 300, ESLR 340, and ESLW 340 with grades of "C" or better</i>			<i>Advisory: Concurrent enrollment in ENGWR 300 and/or ESLW340</i>		
<i>General Education: AA/AS Area III(b); CSU Area E1</i>			<i>General Education: AA/AS Area III(b)</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 18 hours LEC</i>		
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.			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.		
<b>HCD 495</b>	<b>Independent Studies in Human Career Development</b>	<b>1-3 Units</b>	<b>HCD 499</b>	<b>Experimental Offering in Human Career Development</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 54 hours LEC; 36 hours LAB</i>		
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. 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**  
**Kevin Flash, Dean**  
**Learning Resource Center, room 236**  
**916-558-2253**

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**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.

**Humanities (HUM)****HUM 300 Classical Humanities 3 Units***Prerequisite: None.**Advisory: ENGWR 101, ESLW 320, LIBR 318, or LIBR 325 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 scheduled.

**HUM 310 Modern Humanities 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 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 320 Asian Humanities 3 Units***Prerequisite: None.**Advisory: LIBR 318 or 325**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 the cultural traditions, art, literature, music, philosophy, and history of the Far East from ancient times to the present. Emphasis is placed upon the relationship of the humanities to the history, religions, and cultural contexts of India, China, and Japan. Other regions and cultures, including Vietnam, Laos, and Korea may also be covered. Ethnocentrism and the relationships between cultures are also studied.

**HUM 332 American Humanities 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; 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 of America, both before and after the arrival of European explorers. The arts of African American, Native American, Asian American, Eurocentric, and Latino cultures are investigated in order to understand the practical and aesthetic effects of race, ethnicity, class, and gender as they impact American life and culture.

**Division of Humanities and Fine Arts****Chris Iwata, Dean****Performing Arts Center, room 137****916-558-2551****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 370 Women and the Creative Imagination 3 Units***Prerequisite: None.**General Education: AA/AS Area I**Course Transferable to UC/CSU**Hours: 54 hours LEC*

This course examines the creative powers of women throughout the history of art from antiquity to the present. The course offers an interdisciplinary perspective on the contributions of women artists as evidenced in literature and the visual and performing arts. Using gender as the primary lens of analysis, this course seeks to uncover the broader contexts of female experience by probing the relationship women artists had to the historical periods in which they lived and worked. A field trip may be required.

**HUM 495 Independent Studies in Humanities 1-3 Units***Prerequisite: None.**Course Transferable to CSU**Hours: 162 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.

**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

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<b>Independent Studies in (Subject)</b>		<b>495</b>	<b>Independent Studies in (Subject)</b>	<b>1-3 Units</b>
<b>295</b>	<b>Independent Studies in (Subject)</b>	<b>1-3 Units</b>		
	<i>Not transferable</i>			
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		ACCT 495*	HCD 495*	
AH 295	GCOM 295	ADMJ 495	HEED 495	
CISC 295	MATH 295	AERO 495	HIST 495*	
COSM 295	MET 295	AH 495	HSER 495	
DAST 295	MGMT 295	ANTH 495*	HUM 495*	
DHYG 295	OTA 295	ART 495*	JOUR 495	
ECE 295	PTA 295	ARTH 495*	KINES 495*	
ET 295	RAILR 295	ASTR 495*	LIBR 495	
FCS 295		BIOL 495*	LIBT 495	
		BUS 495	LTAT 495	
		CHEM 495*	MATH 495*	
		CISC 495*	MET 495	
		COMDE 495	MGMT 495	
		COMM 495*	MKT 495	
		ECE 495*	MUFHL 495*	
		ECON 495*	MUVI 495*	
		EDT 495	MUP 495*	
		ENGCW 495*	MUSM 495	
		ENGED 495	PHIL 495*	
		ENGLT 495*	PHOTO 495	
		ENGR 495*	PHYS 495*	
		ENGRD 495	POLS 495*	
		ENGWR 495*	PSYC 495*	
		ET 495	RE 495	
		FASHN 495	SOCSC 495*	
		FCS 495*	SOC 495*	
		GCOM 495*	STAT 495*	
		GEOG 495*	SURVY 495*	
		GEOL 495*	TA 495*	
		GERON 495*	TAFILM 495	

## Intercultural Studies

**Degree:**  
A.A. – Intercultural Studies

**Division of Behavioral and Social Sciences**  
Kasey Gardner, Dean  
Rodda Hall North, room 226  
916-558-2401

### Intercultural Studies

#### Associate in Arts Degree

##### Program Information

The Intercultural Studies Associate in Arts degree prepares students for careers in which they will interact with people from a variety of cultural backgrounds. The Intercultural Studies major is an interdisciplinary major drawing from coursework in sociology, history, humanities, geography, anthropology, and a foreign language.

##### Career Opportunities

The degree in Intercultural Studies is designed to prepare students to work in international business, international marketing, international affairs, import-export trade, teaching, social work, public relations, international law, law enforcement, and lobbying.

##### 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) ..... or ANTH 481 Honors Cultural Anthropology (3)	3
COMM 325 Intercultural Communication.....	3
ETHNS 300 Introduction to Ethnic Studies .....	3
GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes .....	3
A minimum of 3 units from the following: .....	3
HIST 307 History of World Civilizations to 1500 (3) HIST 308 History of World Civilizations, 1500 to Present (3) HIST 360 History of African Civilizations (3) HIST 364 Asian Civilization (3) HIST 365 Asian Civilization (3) HIST 373 History of Mexico (3) HIST 380 History of the Middle East (3)	
A minimum of 3 units from the following: .....	3
ARTH 320 Multicultural Art in America (3) ARTH 324 Art of the Americas (3) ARTH 328 Survey of African Art (3) ARTH 332 Asian Art (3) ENGLT 345 Mythologies of the World (3) ENGLT 346 Latin American Literature (3) ENGLT 480 World Literature: Antiquity to the Early Modern World – Honors (3) ENGLT 481 World Literature: Seventeenth Century to Present Honors (3) SOC 321 Race, Ethnicity and Inequality in the United States (3) or SOC 482 Sociology of Race, Ethnicity and Inequality In the United States – Honors (3)	

A minimum of 8 units from the following: .....<sup>8<sup>1</sup></sup>

ARABIC 401 Elementary Arabic (5)  
and ARABIC 402 Elementary Arabic (5)

CANT 401 Elementary Cantonese (4)  
or CANT 402 Elementary Cantonese (4)  
or CANT 411 Intermediate Cantonese (4)  
or CANT 412 Intermediate Cantonese (4)

DEAF 310 American Sign Language I (4)  
or DEAF 312 American Sign Language II (4)  
or DEAF 314 American Sign Language III (4)  
or DEAF 316 American Sign Language IV (4)

FREN 401 Elementary French (4)  
or FREN 402 Elementary French (4)  
or FREN 411 Intermediate French (4)  
or FREN 412 Intermediate French (4)

GREEK 401 Elementary Modern Standard Greek (4)  
and GREEK 402 Elementary Modern Standard Greek (4)

ITAL 401 Elementary Italian (4)  
and ITAL 402 Elementary Italian (4)

JAPAN 401 Elementary Japanese (4)  
or JAPAN 402 Elementary Japanese (4)  
or JAPAN 411 Intermediate Japanese (4)  
or JAPAN 412 Intermediate Japanese (4)

KOREAN 401 Elementary Korean (4)  
and KOREAN 402 Elementary Korean (4)

MAND 401 Elementary Mandarin (4)  
or MAND 402 Elementary Mandarin (4)  
or MAND 411 Intermediate Mandarin (4)  
or MAND 412 Intermediate Mandarin (4)

PRSIAN 401 Elementary Persian (4)  
and PRSIAN 402 Elementary Persian (4)

PNJABI 401 Elementary Punjabi (4)  
and PNJABI 402 Elementary Punjabi (4)

RUSS 401 Elementary Russian (4)  
or RUSS 402 Elementary Russian (4)  
or RUSS 411 Intermediate Russian (4)  
or RUSS 412 Intermediate Russian (4)

TGLG 401 Elementary Tagalog (4)  
and TGLG 402 Elementary Tagalog (4)

VIET 401 Elementary Vietnamese (4)  
and VIET 402 Elementary Vietnamese (4)

##### Total Units Required

26

<sup>1</sup> Students must choose only one language to fulfill the 8 unit requirement.

##### 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****MAKR****Degree**

- A.A. – Environmental Literacy
- A.A. – Interdisciplinary Studies: Arts and Humanities
- A.A. – Interdisciplinary Studies: Math and Science
- A.A. – Interdisciplinary Studies: Social and Behavioral Sciences

**Coursework:**

**Modern Making**

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**Environmental Literacy****Associate in Arts Degree****For further information, please contact:**

**Division of Humanities and Fine Arts**

**Chris Iwata, Dean**

**Performing Arts Center, room 137a**

**916-558-2551**

**Program Information**

The Environmental Literacy degree is designed to provide students with an interdisciplinary knowledge of environmental issues and theories focused on the humanities and social sciences (rather than the natural sciences). The program will require that participants learn (1) various historical, literary, social, psychological, economic, and philosophical dimensions and implications of environmental issues and (2) to read, write, evaluate, revise, and present their ideas with a level of clarity and cogency that will make them eligible for immediate employment.

**Career Opportunities**

This degree will evidence competency in understanding and ability to work successfully with environmental problems and solutions upon graduation with the AA. Students should be able to assume administrative and research positions and other entry level, non-technical positions. For example, graduates with an associate degree in Environmental Literacy should be employable as environmental research assistants and community organizers (e.g., aiding community transition to low carbon activities). Depending on the course work selected, the course of study may lead into several social science (e.g., political science), humanities (e.g., philosophy), or environmental study bachelor degree programs. Note that most environmental study degree programs in California require natural science and math courses over and above those required for this AA. Students may find employment in policy, law, journalism, education, activism, and arts in regard to the environment. Positions such as policy adviser, energy contract negotiator, city resiliency specialist, public transportation coordinator, and environmental journalist are a sample of possible lines of work.

Lastly, this program will prepare students to be active, informed participants in their communities in responding to the environmental challenges confronting us.

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

- possess specialized knowledge that will be applicable in fields such as environmental politics, literature, economics, philosophy, and community activism.
- demonstrate familiarity with and understanding of the major environmental positions presented in the relevant history and literature.
- identify, expose, analyze, and evaluate the interconnections between the environment and the domestic and world economies.
- identify and critically evaluate environmental conflicts in various realms and at various levels.
- write position papers in regard to environmental concerns that are clear, concise, and well constructed.
- identify, expose, analyze, and evaluate the ethical dimensions of various environmental theories and practices.
- compete for environment focused jobs in administration, law, government, design, journalism, etc.

**Division of Behavioral and Social Science**

**Kasey Gardner, Dean**

**Rodda Hall North, room 226**

**916-558-2401**

**Required Program**

	<b>Units</b>
A minimum of 6 units from the following:	6
BIOL 305 Natural History (4)	
BIOL 350 Environmental Biology (3)	
GEOG 302 Environmental Studies & Sustainability (3)	
A minimum of 6 units from the following:	6
ECON 304 Principles of Microeconomics (3)	
ENGLT 328 Literature and The Environment (3)	
PHIL 306 Environmental Philosophy (3)	
POLS 350 Environmental Politics (3)	
A minimum of 6 units from the following:	6
BIOL 305 Natural History (4)	
BIOL 350 Environmental Biology (3)	
BIOL 360 Environmental Regulations (3)	
CHEM 320 Environmental Chemistry (4)	
GEOG 302 Environmental Studies & Sustainability (3)	
GEOG 305 Global Climate Change (3)	
ECON 304 Principles of Microeconomics (3)	
ENGLT 328 Literature and The Environment (3)	
PHIL 306 Environmental Philosophy (3)	
POLS 350 Environmental Politics (3)	
SOC 301 Social Problems (3)	
STAT 300 Introduction to Probability and Statistics (4)	
or STAT 480 Introduction to Probability and Statistics – Honors (4)	
<b>Total Required Units</b>	<b>18</b>

**Associate in Arts Degree**

The Environmental Literacy Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See SCC graduation requirements.

**Interdisciplinary Studies: Arts and Humanities****Associate in Arts Degree****For further information, please contact:**

**Division of Humanities and Fine Arts**

**Chris Iwata, Dean**

**Performing Arts Center, room 137a**

**916-558-2551**

**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.

<b>Required Program</b>	<b>Units</b>
A minimum of 18 units from the following:	18 <sup>1</sup>
ARABIC 401 Elementary Arabic (5)	
ARABIC 402 Elementary Arabic (5)	
ART 300 Drawing and Composition I (3)	
ART 301 Digital Drawing and Composition (3)	
ART 302 Drawing and Composition II (3)	
ART 304 Figure Drawing I (3)	
ART 305 Figure Drawing II (3)	
ART 307 Rendering (3)	
ART 310 Pen and Ink Drawing (3)	
ART 312 Portrait Drawing (3)	
ART 320 Design: Fundamentals (3)	
ART 322 Design: Image and Content (3)	
ART 323 Design: Color Theory (3)	
ART 324 Collage and Assemblage (3)	
ART 330 Mural Painting (3)	
ART 332 Oil Painting (3)	
ART 333 Intermediate Oil Painting (3)	
ART 334 Acrylic Painting (3)	
ART 335 Acrylic Painting: Abstract (3)	
ART 336 Watercolor Painting (3)	
ART 337 Intermediate Watercolor Painting (3)	
ART 361 Printmaking: Survey (3)	
ART 362 Printmaking: Intaglio (3)	
ART 363 Printmaking: Screen Printing (3)	
ART 364 Printmaking: Relief (3)	
ART 366 Printmaking: Lithography (3)	
ART 367 Book Arts (3)	
ART 370 Three Dimensional Design (3)	
ART 372 Sculpture (3)	
ART 373 Intermediate Sculpture (3)	
ART 374 Sculpture Lab (1 – 2)	
ART 375 Figure Sculpture (3)	
ART 380 Techniques in Metal Design (3)	
ART 381 Intermediate Techniques in Metal Design (3)	
ART 384 Metal Design: Emphasis In Casting (3)	
ART 385 Metal Arts Lab (1 – 2)	
ART 390 Ceramics (3)	
ART 391 Intermediate Ceramics (3)	
ART 392 Ceramic Lab (1 – 2)	
ART 394 Wheel Thrown Ceramics, Beginning (3)	
ART 395 Wheel Thrown Ceramics, Intermediate (3)	
ART 396 Wheel Thrown Ceramics, Advanced (3)	
ART 400 Clay Sculpture (3)	
ART 404 Intermediate Clay Sculpture (3)	
ART 440 Artists: Materials and Techniques (3)	
ART 443 Art Gallery Operations (3)	
ART 445 Art Gallery Operations (3)	
ART 446 Portfolio Preparation (3)	
ART 494 Topics in Art (0.5 – 4)	
ART 495 Independent Studies in Art (1 – 3)	
ART 498 Work Experience in Art (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 332 Asian Art (3)

ARTH 334 International Contemporary Art (3)

ARTH 410 Early 20th Century Art (3)

ARTH 484 Ancient Art-Honors (3)

ARTH 486 Medieval Art-Honors (3)

ARTH 487 Renaissance Art-Honors (3)

ARTH 488 Modern Art—Honors (3)

ARTH 494 Topics in Art History (0.5 – 4)

ARTH 495 Independent Studies in Art History (1 – 3)

ARTH 499 Experimental Offering in Art History (0.5 – 4)

CANT 401 Elementary Cantonese (4)

CANT 402 Elementary Cantonese (4)

CANT 411 Intermediate Cantonese (4)

CANT 412 Intermediate Cantonese (4)

COMM 305 Oral Interpretation (3)

DEAF 310 American Sign Language I (4)

DEAF 312 American Sign Language II (4)

DEAF 314 American Sign Language III (4)

DEAF 316 American Sign Language IV (4)

ENGW 400 Creative Writing (3)

ENGW 410 Fiction Writing Workshop (3)

ENGW 420 Poetry Writing Workshop (3)

ENGW 430 Creative Non-Fiction Writing Workshop (3)

ENGLT 303 Introduction to the Short Story (3)

ENGLT 310 English Literature I (3)

ENGLT 311 English Literature II (3)

ENGLT 317 The English Bible as Literature (3)

ENGLT 320 American Literature I (3)

ENGLT 321 American Literature II (3)

ENGLT 327 Literature of California (3)

ENGLT 328 Literature and The Environment (3)

ENGLT 331 African-American Literature (1730-1930) (3)

ENGLT 332 African-American Literature (1930-Present) (3)

ENGLT 334 Asian-American Literature (3)

ENGLT 335 Latino, Mexican-American, and Chicano Literature (3)

ENGLT 345 Mythologies of the World (3)

ENGLT 346 Latin American Literature (3)

ENGLT 360 Women in Literature (3)

ENGLT 365 Introduction to Gay, Lesbian, Bisexual and Transgender Literature (3)

ENGLT 370 Children and Literature (3)

ENGLT 380 Introduction to Shakespeare (3)

ENGLT 392 Science Fiction and Fantasy (3)

ENGLT 400 Introduction to Film (3)

ENGLT 401 Women in Film and Literature (3)

ENGLT 403 Film Adaptations (3)

ENGLT 404 Documentary Film Studies (3)

ENGLT 480 World Literature: Antiquity to the Early Modern World – Honors (3)

ENGLT 481 World Literature: Seventeenth Century to Present – Honors (3)

ENGLT 494 Topics in Literature (3)

ENGLT 495 Independent Studies in Literature (1 – 3)

ENGLT 499 Experimental Offering in Literature (0.5 – 4)

ENGWR 301 College Composition and Literature (3)

ENGWR 303 Argumentative Writing and Critical Thinking Through Literature (4)

FREN 401 Elementary French (4)

FREN 402 Elementary French (4)

FREN 411 Intermediate French (4)

FREN 412 Intermediate French (4)	SPAN 401 Elementary Spanish (4)
GREEK 401 Elementary Modern Standard Greek (4)	SPAN 402 Elementary Spanish (4)
GREEK 402 Elementary Modern Standard Greek (4)	SPAN 411 Intermediate Spanish (4)
HIST 300 History of Western Civilization (3)	SPAN 412 Intermediate Spanish (4)
HIST 302 History of Western Civilization (3)	TA 300 Introduction to the Theatre (3)
HIST 307 History of World Civilizations to 1500 (3)	TA 302 History and Theory of the Theatre I (3)
HIST 308 History of World Civilizations, 1500 to Present (3)	TA 303 History and Theory of the Theatre II (3)
HIST 309 World History in the Twentieth Century (3)	TA 308 Diversity in American Theatre (3)
HUM 300 Classical Humanities (3)	TA 342 Introduction to Acting (3)
HUM 310 Modern Humanities (3)	TA 350 Theory and Techniques of Acting I (3)
HUM 332 American Humanities (3)	TA 351 Theory and Techniques of Acting II (3)
HUM 352 Religious Themes in Western Art, Literature and Music (3)	TAFILM 300 Introduction to Film (3)
ITAL 401 Elementary Italian (4)	TAFILM 302 History of Film (3)
ITAL 402 Elementary Italian (4)	TAFILM 303 History of Film: 1880's through 1950's (3)
JAPAN 401 Elementary Japanese (4)	TAFILM 304 History of Film: 1950's to Present (3)
JAPAN 402 Elementary Japanese (4)	TAFILM 320 Cinema Genres (3)
JAPAN 411 Intermediate Japanese (4)	TAFILM 330 Film Making (3)
JAPAN 412 Intermediate Japanese (4)	TAFILM 360 Screenwriting (3)
KOREAN 401 Elementary Korean (4)	TGLG 401 Elementary Tagalog (4)
KOREAN 402 Elementary Korean (4)	TGLG 402 Elementary Tagalog (4)
MAND 401 Elementary Mandarin (4)	VIET 401 Elementary Vietnamese (4)
MAND 402 Elementary Mandarin (4)	VIET 402 Elementary Vietnamese (4)
MAND 411 Intermediate Mandarin (4)	
MAND 412 Intermediate Mandarin (4)	
MUIVI 315 Beginning Voice (1 – 2)	<b>Total Units Required</b>
MUIVI 325 Intermediate Voice (2)	18
MUIVI 330 Advanced Voice (2)	
MUIVI 345 Beginning Piano I (1 – 2)	<sup>1</sup> Select courses from at least three areas.
MUIVI 346 Beginning Piano II (1 – 2)	
MUIVI 355 Intermediate Piano I (1 – 2)	
MUIVI 356 Intermediate Piano II (1 – 2)	
MUIVI 357 Advanced Piano I (1 – 2)	
MUIVI 358 Advanced Piano II (1 – 2)	
MUIVI 371 Intermediate Guitar (2)	
MUIVI 372 Advanced Guitar (2)	
MUIVI 373 Popular Electric Bass Styles I (1)	
MUIVI 374 Popular Electric Bass Styles II (1)	
MUIVI 375 Popular Electric Guitar Styles I (1)	
MUIVI 377 Popular Electric Guitar Styles II (1)	
MUIVI 380 Improvisation Workshop I (2)	
MUIVI 381 Improvisation Workshop II (2)	
MUIVI 382 Improvisation Workshop III (2)	
MUIVI 452 World Drumming (1)	
MUIVI 454 Indian Classical Fusion Improvisation (1)	
MUFHL 305 Music Appreciation (3)	
MUFHL 309 Introduction to American Popular Music (3)	
MUFHL 310 Survey of Music History and Literature (Greek Antiquity to 1750) (3)	
MUFHL 315 Jazz History (3)	
MUFHL 330 World Music (3)	
MUP 325 Jazz Band (2)	
MUP 335 Concert Band (1)	
MUP 355 College Choir (2)	
PHIL 300 Introduction to Philosophy (3)	
PHIL 306 Environmental Philosophy (3)	
PHIL 310 Introduction to Ethics (3)	
PHIL 330 History of Classical Philosophy (3)	
PHIL 331 History of Modern Philosophy (3)	
PHIL 338 Contemporary Philosophy (3)	
PHIL 352 Introduction to World Religions (3)	
PHIL 368 Law, Justice, and Punishment (3)	
PRSIAN 401 Elementary Persian (4)	
PRSIAN 402 Elementary Persian (4)	
PNJABI 401 Elementary Punjabi (4)	
PNJABI 402 Elementary Punjabi (4)	
RUSS 401 Elementary Russian (4)	
RUSS 402 Elementary Russian (4)	
RUSS 411 Intermediate Russian (4)	
RUSS 412 Intermediate Russian (4)	

**Total Units Required**<sup>1</sup>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****For further information, please contact:****Division of Mathematics/Statistics and Engineering****Dr. Daniel Styer, Dean****Rodda Hall North, room 300****916-558-2201****OR****Division of Science and Allied Health****James Collins, Dean****South Gym, room 220****916-558-2272****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****Units**

A minimum of 9 units from the following:	.....	9 <sup>1</sup>
ANTH 300 Biological Anthropology (3)		
ANTH 301 Biological Anthropology Laboratory (1)		
ANTH 480 Honors Biological Anthropology (3)		
ASTR 310 The Solar System (3)		
ASTR 320 Stars, Galaxies, and Cosmology (3)		
ASTR 330 Introduction to Astrobiology (3)		
ASTR 400 Astronomy Laboratory (1)		
BIOL 305 Natural History (4)		
BIOL 308 Contemporary Biology (3)		

BIOL 309 Contemporary Biology Laboratory (1)	
BIOL 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)	
CHEM 300 Beginning Chemistry (4)	
CHEM 305 Introduction to Chemistry (5)	
CHEM 306 Introduction to Organic and Biological Chemistry (5)	
CHEM 309 Integrated General, Organic, and Biological Chemistry (5)	
CHEM 320 Environmental Chemistry (4)	
CHEM 330 Adventures in Chemistry (4)	
CHEM 336 Art and Chemistry (4)	
CHEM 400 General Chemistry I (5)	
CHEM 401 General Chemistry II (5)	
CHEM 410 Quantitative Analysis (5)	
CHEM 420 Organic Chemistry I (5)	
CHEM 421 Organic Chemistry II (5)	
CHEM 425 Organic Chemistry with Biological Emphasis I (4)	
CHEM 426 Organic Chemistry with Biological Emphasis II (4)	
CHEM 484 Advanced General Chemistry – Honors (1)	
ECON 310 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)	
<b>Total Units Required</b>	<b>18</b>

<sup>1</sup> 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

##### For further information, please contact:

**Division of Behavioral and Social Science**

**Kasey Gardner, Dean**

**Rodda Hall North, room 226**

**916-558-2401**

#### 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	Units
A minimum of 18 units from the following: .....	18 <sup>1</sup>
ANTH 310 Cultural Anthropology (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)	
DEAF 351 Introduction to American Deaf Culture (3)	
ECE 312 Child Development (3)	
ECE 314 The Child, the Family and the Community (3)	
ECON 302 Principles of Macroeconomics (3)	
ECON 304 Principles of Microeconomics (3)	
ENGWR 384 Mass Media and Society (3)	
ETHNS 300 Introduction to Ethnic Studies (3)	
ETHNS 320 The African American Experience (3)	
ETHNS 330 The Asian American Experience in America (3)	
ETHNS 340 Chicanos/Mexican Americans in the U.S. (3)	
ETHNS 341 The Sociology & Psychology of Mexicans and Latinos in the U.S. (3)	
ETHNS 350 Introduction to Native American Studies (3)	
ETHNS 351 Native American Culture and the Impact of Federal Policy (3)	
FCS 320 Marriage and the Family (3)	
FCS 324 Human Development: A Life Span (3)	

GEOG 302 Environmental Studies & Sustainability (3)	SOC 343 Women and Social Action (3)
GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes (3)	SOC 344 Sociology of Women's Health (3)
GEOG 320 World Regional Geography (3)	SOC 375 Introduction to Community Development (3)
GERON 300 Sociology of Aging (3)	SOC 480 Introductory Sociology – Honors (3)
GERON 302 Psychology of Aging: Adult Development and Aging (3)	WGS 300 Introduction to Women and Gender Studies (3)
HIST 300 History of Western Civilization (3)	SOC 345 Global Women's Issues (3)
HIST 302 History of Western Civilization (3)	or WGS 302 Global Women's Issues (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)	<b>Total Units Required</b>
HIST 311 History of the United States (3)	18
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)	<sup>1</sup> Select courses from at least three areas.
HIST 344 Survey of California History: A Multicultural Perspective (3)	
HIST 360 History of African Civilizations (3)	
HIST 364 Asian Civilization (3)	<b>Associate in Arts Degree</b>
HIST 365 Asian Civilization (3)	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.
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)	<b>INDIS 240 Service Learning Component 1 Unit</b>
POLS 302 Introduction to Government: Foreign (3)	<i>Prerequisite: None.</i>
POLS 304 Introduction to Government: California (3)	<i>General Education: AA/AS Area III(b)</i>
POLS 310 Introduction to International Relations (3)	<i>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.</i>
POLS 312 Politics of the Middle East (3)	
POLS 313 Latin America (3)	<i>Hours: 18 hours LEC</i>
POLS 320 Introduction to Political Theory (3)	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.
POLS 322 Political Ideologies (3)	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.
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)	<b>INDIS 340 Service Learning Component 1 Unit</b>
PSYC 314 Animal Behavior and Cognition (3)	<i>Prerequisite: None.</i>
PSYC 315 Psychopharmacology (3)	<i>General Education: AA/AS Area III(b)</i>
PSYC 316 Cognitive Psychology (3)	<i>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.</i>
PSYC 320 Social Psychology (3)	
PSYC 335 Research Methods in Psychology (3)	<i>Course Transferable to CSU</i>
PSYC 340 Abnormal Behavior (3)	<i>Hours: 18 hours LEC</i>
PSYC 352 Psychology of Peace and Conflict (3)	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.
PSYC 356 Human Sexuality (3)	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.
PSYC 360 Psychology of Women (3)	
PSYC 364 Psychology of Sexual Orientation (3)	
PSYC 367 Psychology of Minorities (3)	
PSYC 370 Human Development: A Life Span (3)	
PSYC 374 Psychology of Aging: Adult Development and Aging (3)	
PSYC 390 Psychology of Death and Dying (3)	
PSYC 392 Loss and Grief (2)	
PSYC 405 Substance Abuse: Effects on Body and Behavior (3)	
PSYC 480 Honors General Principles (3)	
SOC 300 Introductory Sociology (3)	
SOC 301 Social Problems (3)	
SOC 302 Introduction to Social Research Methods (3)	
SOC 310 Marriage and the Family (3)	
SOC 321 Race, Ethnicity and Inequality in the United States (3)	
SOC 335 Sociology of Aging (3)	
SOC 341 Sex and Gender in the U.S. (3)	

**INDIS 350    Life and Culture in Study Abroad                          1-3 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 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 <https://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 influ-

ences, 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 <https://www.scc.losrios.edu/studyabroad/>.

**INDIS 370    Introduction to Science Technology Engineering and Math (STEM)                          1 Unit**

*Prerequisite:* None.

*Course Transferable to CSU*

*Hours:* 18 hours LEC

This course introduces the STEM field from a local and global perspective through guest speakers, discussions, small research projects, and a culminating presentation. As a central theme to the course, students will investigate the challenges facing individuals from underrepresented groups in STEM as defined by the National Science Foundation. Students will then generate an individualized plan for pursuing their particular STEM emphasis of choice. This plan will consist of elements of a basic education plan, a reflection of their unique sociocultural experiences, specific study skills strategies, and STEM skills analysis and strategies for improvement. The student will be given an opportunity to apply the practices outlined in their plan through a sampling of a number of STEM-related courses (through guest lectures, etc.). This course is not open to students who completed the topic under INDIS 499.

**INDIS 371 Skills Practice in Science Technology Engineering and Math (STEM)** **1.5 Units**

*Prerequisite: INDIS 370 with a grade of "C" or better*

*Course Transferable to CSU*

*Hours: 18 hours LEC; 27 hours LAB*

This course introduces the STEM field from a hands-on learning perspective. Based on a student's unique STEM-Skill profile, they will generate an individualized plan to address a particular STEM industry need. This plan will consist of an identification of that need and a specific engineered solution to it. In lecture, students will work on improving their STEM-Skills (spatial ability, proportional reasoning, pitch pattern perception, etc.). In lab, students will apply the steps outlined in their plan via hands-on experience in the campus Makerspace. These experiences will include an orientation and use of the equipment in the Makerspace lab in the generation of a final product. This course is not open to students who completed the topic under INDIS 499.

**INDIS 372 Numerical Problem Solving in Science Technology Engineering and Math (STEM)** **1.5 Units**

*Prerequisite: INDIS 371 with a grade of "C" or better*

*Course Transferable to CSU*

*Hours: 18 hours LEC; 27 hours LAB*

This course introduces the STEM field through various data analysis techniques in a hands-on learning environment. As the course progresses, students will explore various STEM fields of study through a problem-solving lens. Specifically, students will use various mathematical or statistical techniques to uncover a particular STEM industry need. They will then use data analysis techniques to develop a plan for addressing this particular need and forecasting its potential effectiveness. Through a hands-on experience in the campus Makerspace facilities students will be given an opportunity to produce some important element of their proposed solution, and then showcase it to others. This course is not open to students who completed the topic under INDIS 499.

**INDIS 373 Research Writing Techniques in Science Technology Engineering and Math (STEM)** **1.5 Units**

*Prerequisite: INDIS 372 with a grade of "C" or better*

*Course Transferable to CSU*

*Hours: 18 hours LEC; 27 hours LAB*

This course introduces the STEM field from a research writing and hands-on learning perspective. In this course, students will select a particular STEM industry topic and develop a plan for researching and reporting on this topic. Emphasis will be on producing a publication-themed manuscript based on their hands-on research for this topic. Therefore, the principal focus of the lecture portion of this course will be the research writing process. The lab portion of the course is where students will be given an opportunity to apply the research practices outlined in his or her plan through a hands-on experience in the campus Makerspace facilities. Students will use the research writing approach to guide them through the entire process and produce a manuscript potentially worthy of submittal for publication in a peer reviewed journal. This course is not open to students who completed the topic under INDIS 499.

**INDIS 499 Experimental Offering in Interdisciplinary Studies** **.5-4 Units**

*Prerequisite: None*

*Course Transferable to CSU*

*Hours: 18 hours LEC; 27 hours LAB*

**Modern Making (MAKR)**

**MAKR 201 Introduction to App Development with Swift** **3 Units**

*Prerequisite: None.*

*Hours: 45 hours LEC; 27 hours LAB*

This course introduces the fundamental concepts of app development and programming. Topics include design thinking, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. Students who have taken this course as MAKR 299 are not eligible to enroll in this course.

**MAKR 202 App Development with Swift** **3 Units**

*Prerequisite: MAKR 201 with a grade of "C" or better; or equivalent (e.g. CISP 301).*

*Hours: 45 hours LEC; 27 hours LAB*

This course delves deeper into app development and programming and introduces the fundamental concepts of structured and object-oriented programming. Topics include user interface design, control flow, variable scope, and using arrays to display data. Students who have taken this course as MAKR 299 are not eligible to enroll in this course.

**MAKR 203 Advanced App Development with Swift** **3 Units**

*MAKR 202 with a grade of "C" or better.*

*Hours: 45 hours LEC; 27 hours LAB*

This course focuses on Advanced App Development. Topics include complex user input, animations, interfacing with the web, and the design cycle. Students will apply techniques for testing and debugging software.

**MAKR 299 Experimental Offerings in Modern Making** **.5-4 Units**

*Prerequisite: None*

*Hours: 45 hours LEC; 27 hours LAB*

See Experimental Offerings

**MAKR 499 Experimental Offering in Modern Making** **.5-4 Units**

*Prerequisite: None*

*Hours: 45 hours LEC; 27 hours LAB*

See Experimental Offering

## International Studies

**Degree:**  
A.A. – International Studies

**Division of Behavioral and Social Sciences**  
Kasey Gardner, Dean  
Rodda Hall North, room 226  
916-558-2401

### International Studies

Associate in Arts Degree

#### Program Information

The major consists of a core of 29.5-33 units, which satisfy university transfer requirements. Elective courses allow students to pursue interests in languages, culture, business, philosophy, history, fine arts, literature, and other studies. Students who undertake the ISP major will prepare for transfer to universities that offer International Studies Majors or related fields; engage in course work that will broaden their perspective and skills in the field of international relations; have access to individual counseling for program planning and career development through a mentoring program with the Program Director; and be afforded the opportunity to develop foreign language proficiency.

#### 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, Lobbying, Law, Fiscal Analysis, Teaching, Non-Governmental Organizations, Language Specialization, 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, examine, and explain the role of the individual and society within the context of global interdependence.
- formulate a critical understanding of social, political, and economic global issues and problems within a global context that is relevant to local experience.
- evaluate, analyze, and critique various social science and humanities perspectives that explain human and environmental history in a global context.
- investigate, analyze, and describe the causes and consequences of economic, political, and cultural globalization through a variety of social science perspectives.
- detect, analyze, and discuss human difference, including difference based on socio-economic, political, cultural, and geographic status.
- investigate, analyze, and discuss the effects of power imbalance in social and political contestation, historically and contemporaneously, with a focus on the experiences of actors who wield relatively less power in specific global contexts.
- demonstrate basic oral and writing skills in a second language.

#### Required Program

	Units
ANTH 310 Cultural Anthropology (3)	3
or ANTH 481 Honors Cultural Anthropology (3)	
COMM 325 Intercultural Communication.....	3
ECON 302 Principles of Macroeconomics.....	3
GEOG 320 World Regional Geography .....	3
HIST 308 History of World Civilizations, 1500 to Present.....	3
HIST 311 History of the United States (3)	3
or HIST 484 History of the United States – Honors (3)	
IS 494 Topics in International Studies.....	0.5 – 4

POLS 310 Introduction to International Relations (3).....	3
or POLS 480 Introduction to International Relations – Honors (3)	
A minimum of 8 units from the following: .....	8 <sup>1</sup>
Foreign Language (two semesters)	
ARABIC 401 Elementary Arabic (5)	
and ARABIC 402 Elementary Arabic (5)	
CANT 401 Elementary Cantonese (4)	
or CANT 402 Elementary Cantonese (4)	
or CANT 411 Intermediate Cantonese (4)	
or CANT 412 Intermediate Cantonese (4)	
FREN 401 Elementary French (4)	
or FREN 402 Elementary French (4)	
or FREN 411 Intermediate French (4)	
or FREN 412 Intermediate French (4)	
GREEK 401 Elementary Modern Standard Greek (4)	
and GREEK 402 Elementary Modern Standard Greek (4)	
ITAL 401 Elementary Italian (4)	
and ITAL 402 Elementary Italian (4)	
JAPAN 401 Elementary Japanese (4)	
or JAPAN 402 Elementary Japanese (4)	
or JAPAN 411 Intermediate Japanese (4)	
or JAPAN 412 Intermediate Japanese (4)	
KOREAN 401 Elementary Korean (4)	
and KOREAN 402 Elementary Korean (4)	
MAND 401 Elementary Mandarin (4)	
or MAND 402 Elementary Mandarin (4)	
or MAND 411 Intermediate Mandarin (4)	
or MAND 412 Intermediate Mandarin (4)	
PRSIAN 401 Elementary Persian (4)	
and PRSIAN 402 Elementary Persian (4)	
PNJABI 401 Elementary Punjabi (4)	
and PNJABI 402 Elementary Punjabi (4)	
RUSS 401 Elementary Russian (4)	
or RUSS 402 Elementary Russian (4)	
or RUSS 411 Intermediate Russian (4)	
or RUSS 412 Intermediate Russian (4)	
TGLG 401 Elementary Tagalog (4)	
and TGLG 402 Elementary Tagalog (4)	
VIET 401 Elementary Vietnamese (4)	
and VIET 402 Elementary Vietnamese (4)	

#### Total Units Required

29.5-33

<sup>1</sup>Student must choose only one language to fulfill the 8 unit requirement.

#### Suggested Electives

ARTH 320; ECON 304; ENGLT 480, 481; GEOG 310; HCD 310; HIST 307, 309, 360, 364, 365, 373, 375, 380, 381; PHIL 352; POLS 302, 303, 312, 313; WGS 302

#### 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.

## International Studies (IS)

### IS 494      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 CSU*

*Hours: 72 hours LEC*

This course provides a seminar setting in which students can study and discuss regional and global issues in international studies with faculty from a variety of disciplines. Specific regions (e.g., Latin America, Africa, Asia, the Middle East, North America, Europe) are addressed topically. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions. This course is formerly known as SOCSC 493.

# Journalism JOUR

## Degree:

- A.A. – Journalism
- AA-T – Journalism for Transfer

## Certificate of Achievement:

- Multimedia News Specialist
- Visual Journalism

## 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.

## Division of Language and Literature

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

#### 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 Journalism on the Web 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 Journalism on the Web II (3)	
JOUR 432 Journalism on the Web III (3)	
A minimum of 3 units from the following: .....	3
DDSN 321 Print and Multimedia Publication Design I (3)	
JOUR 320 Race and Gender in the Media (3)	
JOUR 340 Writing for Publication (3)	
or ENGWR 330 Writing for Publication (3)	
JOUR 360 Photojournalism (3)	
or PHOTO 350 Photojournalism (3)	
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 Journalism for the Web 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, Associated Press style, and writing for publication. It is designed to provide a seamless transfer pathway for students interested in pursuing a journalism degree in the California State University (CSU) system.

Upon successful completion of the degree requirements, students will be guaranteed admission to the CSU system with junior status and will not have to repeat lower division coursework. Students are encouraged to meet with a counselor to develop their educational plans as degree options and general education requirements vary for each university.

The Associate Degree for Transfer student completion requirements (as stated in SB1440 law):

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

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis.

### Career Opportunities

Career opportunities for students who have earned Bachelor's degrees in Journalism include but are not limited to: news reporter, news editor, broadcast news writer, broadcast news producer, on-line news editor, on-line news producer, advertising copy writer, and public relations representative. Some careers may require additional training.

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

- write clear and concise stories that adhere to journalistic conventions.
- conduct research and evaluate information using appropriate methods.
- demonstrate an understanding of basic news and feature writing in print, broadcast, and on-line media.
- evaluate his or her own work and that of others for accuracy, fairness, appropriate style, and grammatical correctness.
- produce news and feature articles, photographs, and multimedia packages for publication in a newspaper or on-line publication.
- understand and apply the principles of the First Amendment and other laws appropriate to professional practice.
- apply ethical principles in pursuit of truth, accuracy, fairness, and diversity.
- identify and explain the processes, elements, history, theory, and effect of modern mass media in society.

### Required Program

### Units

JOUR 300 Newswriting and Reporting.....	3
JOUR 310 Mass Media and Society (3) .....	3
or COMM 351 Mass Media and Society (3) or ENGWR 384 Mass Media and Society (3)	
JOUR 410 College Media Production I.....	3
A minimum of 3 units from the following: .....	3
PHOTO 350 Photojournalism (3) or JOUR 360 Photojournalism (3)	
PHOTO 380 Multimedia Capture I (3) or JOUR 364 Multimedia Capture I (3)	
JOUR 411 College Media Production II (3)	
A minimum of 6 units from the following: .....	6
COMM 311 Argumentation and Debate (3) ECON 304 Principles of Microeconomics (3) or ECON 302 Principles of Macroeconomics (3)	
ENGWR 482 Honors Advanced Composition and Critical Thinking (3) or 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 480 Introduction to Probability and Statistics – Honors (4) or STAT 300 Introduction to Probability and Statistics (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 news and feature photographs for publication in a newspaper, magazine, or online publication.
- apply principles of audience and journalistic ethics to his or her writing and photography, especially as they relate to gender, ethnicity, and culture.
- demonstrate understanding of the fundamentals of mass media theories, concepts, and practices as they relate to gender, ethnicities, and cultural constructs.

<b>Required Program</b>	<b>Units</b>
JOUR 300 Newswriting and Reporting.....	3
JOUR 302 Style for Media Writers .....	1
JOUR 310 Mass Media and Society (3) .....	3
or ENGWR 384 Mass Media and Society (3)	
or COMM 351 Mass Media and Society (3)	
JOUR 360 Photojournalism (3).....	3
or PHOTO 350 Photojournalism (3)	
A minimum of 12 units from the following: .....	12
DDSN 311 Digital Layout I (3)	
DDSN 321 Print and Multimedia Publication Design I (3)	
DDSN 331 Digital Imaging I (3)	
or PHOTO 400 Digital Imaging (3)	
JOUR 320 Race and Gender in the Media (3)	
JOUR 340 Writing for Publication (3)	
or ENGWR 330 Writing for Publication (3)	
JOUR 364 Multimedia Capture I (3)	
or PHOTO 380 Multimedia Capture I (3)	
JOUR 403 College Magazine Production I (3)	
JOUR 498 Work Experience in Journalism (1 – 4)	
or WEXP 498 Work Experience in (Subject) (1 – 4)	
<b>Total Units Required</b>	<b>22</b>

#### 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.

<b>Required Program</b>	<b>Units</b>
JOUR 300 Newswriting and Reporting.....	3
JOUR 310 Mass Media and Society (3) .....	3
or COMM 351 Mass Media and Society (3)	
or ENGWR 384 Mass Media and Society (3)	
JOUR 360 Photojournalism (3).....	3
or PHOTO 350 Photojournalism (3)	
JOUR 364 Multimedia Capture I (3) .....	3
or PHOTO 380 Multimedia Capture I (3)	
JOUR 430 Journalism on the Web I.....	3
JOUR 431 Journalism on the Web II.....	3
PHOTO 280 Portfolio Development I.....	2 – 4
PHOTO 302 Beginning Digital Photography.....	3
PHOTO 312 Intermediate Digital Photography .....	3
<b>Total Units Required</b>	<b>26-28</b>

#### 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: 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; AA/AS Area VI; CSU Area D; IGETC Area 4*

*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/ Podcasting      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, as well as online media, writing commercials, and public service programming, and an introduction to production techniques. The course is recommended for students who plan to work in broadcasting, instructional media, and related fields.

### **JOUR 360      Photojournalism      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 online and print campus publications (The Express, Mainline magazine, etc.) to complete assignments for their final portfolios. The course includes lectures, visual presentations, speakers, a

required field trip to The Sacramento Bee or another media outlet, and lab time. Students will provide their own adjustable camera and related materials. Credit may be earned for PHOTO 350 or JOUR 360, but not for both. (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 media and various software used to edit this material. Students will receive practical experience in capturing and editing audio, video, and still images with image editing software. Students will complete a final multimedia project and must supply at least one of the following to complete the course: a video camera or an adjustable still camera in either film or digital formats. Students will also take a field trip to The Sacramento Bee or a similar media outlet. The course includes lectures, visual presentations, and lab time. Credit may be earned for JOUR 364 or PHOTO 380, but not for both. (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 image editing software to complete their final projects. Students must supply at least one of the following to complete the class: a video camera or an adjustable still camera in either film or digital formats. The course includes lectures, visual presentations, and lab time. Credit may be earned for JOUR 365 or PHOTO 381, but not for both.

### **JOUR 403      College Magazine Production I      3 Units**

*Prerequisite: 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. This course is designed for students interested in writing, graphics, page design, art, photography, or editing.

**JOUR 407 College Magazine Production II 3 Units***Prerequisite: JOUR 302 and 403 with grades of "C" or better**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. This course is designed for students interested in managing a non-fiction publication with writing, graphics, page design, art, photography, and editing.

**JOUR 408 College Magazine Production III 3 Units***Prerequisite: JOUR 407 with a grade of "C" or better**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. This course is designed for students interested in managing the staff who produce the publication using the skills of writing, graphics, page design, art, photography, and editing.

**JOUR 410 College Media Production I 3 Units***Prerequisite: JOUR 302 with a grade of "C" or better**Corequisite: JOUR 420**Advisory: JOUR 300, JOUR 360, PHOTO 302, and PHOTO 350 with grades of "C" or better**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: JOUR 302 and 410 with grades of "C" or better**Corequisite: JOUR 421**Course Transferable to CSU**Hours: 54 hours LEC*

During this second-semester course, students learn intermediate writing and production skills to produce the school print newspaper, the Express, a journalistic product for distribution to a college-wide audience. Students will receive instruction in one of the following areas: researching, reporting, and writing intermediate-level articles; taking intermediate-level photographs and participating in photo layouts; assigning and editing intermediate-level articles, writing headlines, and planning page layouts in conjunction with page designers for the print newspaper. Ethical and legal aspects of communication are also covered. JOUR 421 is the lab component for this course. (C-ID JOUR 131)

**JOUR 412 College Media Production III 3 Units***Prerequisite: JOUR 302 and 411 with grades of "C" or better**Corequisite: JOUR 422**Course Transferable to CSU**Hours: 54 hours LEC*

During this third-semester course, students will serve in leadership roles as section editors using the school newspaper, the Express, as a practical laboratory. In this course students will serve in leadership

roles. Students will learn to conduct editorial meetings in which issues are planned; research, assign, and edit assignments of reporters and photographers for publication; and manage production alongside page designers for each issue of the newspaper. Ethical and legal aspects of media communication are also covered. JOUR 422 is the required lab component for this course.

**JOUR 413 College Media Production IV 3 Units***Prerequisite: JOUR 302 and 412 with grades of "C" or better**Corequisite: JOUR 423**Course Transferable to CSU**Hours: 54 hours LEC*

In this course instruction is provided in leadership for students who function as editors in chief and managing editors using the school newspaper, the Express, as a practical laboratory. Students will plan publication issues and manage section editors, reporters, and photographers on staff. Students will learn to lead staff meetings in which they plan the vision and content of issues; research and suggest story ideas to section editors; manage section editors and staff; and manage production of every aspect of each issue of the newspaper. Ethical and legal aspects of communication and media are also covered for students who serve in top leadership roles. JOUR 423 is the required lab component for this course.

**JOUR 420 College Media Production .5-3 Units  
Lab I***Prerequisite: JOUR 302 with a grade of "C" or better**Corequisite: JOUR 410 or 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) or on-line multimedia production (JOUR 430).

**JOUR 421 College Media Production .5-3 Units  
Lab II***Prerequisite: JOUR 302 and 420 with grades of "C" or better; and JOUR 410 or JOUR 430 with a grade of "C" or better.**Corequisite: JOUR 411 or 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 .5-3 Units  
Lab III***Prerequisite: JOUR 302 and 421 with grades of "C" or better**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 423 College Media Production Lab IV .5-3 Units**

*Prerequisite: JOUR 302 or 422 with a grade of "C" or better; and JOUR 412 or JOUR 432 with a grade of "C" or better.*

*Corequisite: JOUR 413 or 433*

*Course Transferable to CSU*

*Hours: 162 hours LAB*

This lab course helps students build on experiences gained in JOUR 412, JOUR 422, and/or JOUR 432. During this fourth-semester course, students who are top leadership (editors in chief, managing editors, web managers) will learn skills in how to lead and manage section editors, photographers, and reporters. Additionally, online leadership will lead podcasters and videographers. Students will oversee the vision and content of their respective publications; research and suggest story ideas to section editors; and manage production of every aspect of the campus print or online newspaper, as an addition to their enrollment in JOUR 413 and JOUR 433.

**JOUR 430 Journalism on the Web I 3 Units**

*Prerequisite: JOUR 302 with a grade of "C" or better*

*Corequisite: JOUR 420*

*Advisory: JOUR 300, JOUR 360, JOUR 364, PHOTO 302, PHOTO 350, and PHOTO 380 with grades of "C" or better*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course focuses on instruction in beginning skills in online writing and visual media in producing the campus online newspaper, [saccityexpress.com](http://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 online writing and editing; beginning digital photography and digital video production; beginning audio and podcasting production, and social media. 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 Journalism on the Web II 3 Units**

*Prerequisite: JOUR 302 and 430 with grades of "C" or better*

*Corequisite: JOUR 421*

*Advisory: JOUR 300, JOUR 360, JOUR 364, JOUR 365, JOUR 431, PHOTO 302, PHOTO 350, PHOTO 380, and PHOTO 381 with grades of "C" or better*

*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 online writing and visual media, as well as online management, in producing the campus online newspaper, [saccityexpress.com](http://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 online writing, editing, and management; intermediate digital photography and digital video production; and intermediate audio and podcasting 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 Journalism on the Web III 3 Units**

*Prerequisite: JOUR 302 and 431 with grades of "C" or better*

*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 newspa-

per. 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](http://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 Journalism for the Web IV 3 Units**

*Prerequisite: JOUR 302 and 432 with grades of "C" or better*

*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](http://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 495 Independent Studies in Journalism 1-3 Units**

*Prerequisite: None.*

*Advisory: ENGWR 300 with a grade of "C" or better*

*Course Transferable to CSU*

*Hours: 162 hours LAB*

An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered journalism courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

**JOUR 498 Work Experience in Journalism 1-4 Units**

*Prerequisite: None.*

*Advisory: ENGWR 101 and JOUR 300 with grades of "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 FITNS, KINES, PACT, SPORT, TMACT

## Degrees:

- A.A. – Kinesiology — Exercise Science
- AA-T – Kinesiology for Transfer

## Certificate of Achievement:

- Athletic Coaching Certification
- Fitness Instructor Certification

**FITNS – Fitness**

**KINES – Kinesiology**

**PACT – Personal Activity**

**SPORT – Sports**

**TMACT – Team Activities**

## 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-employment/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 Kinesiology.....	3
KINES 451 Principles and Theory of Athletic Coaching .....	3

## Division of Kinesiology, Health, and Athletics

Mitchell Campbell, Dean/Athletic Director

Hughes Stadium, Section 1B

916-558-2425

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 5 units from the following: ..... 5

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 457 Sport First Aid for Coaches (2)

KINES 495 Independent Studies in Physical Education Theory (1 – 3)

#### Total Required Units

18

#### 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 by providing them with the theoretical knowledge and practical skills needed to be successful in the field. It also offers courses that 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-employment/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.

<b>Required Program</b>	<b>Units</b>
HEED 300 Health Science (3) ..... or KINES 300 Introduction to Kinesiology (3)	3
HEED 353 Health Eating, Stress Management, and Weight Control ... 3	3
KINES 381 Fitness and Weight Management.....	2
KINES 410 Personal Trainer Certification: Exercise Science & Fitness Assessment .....	3
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 324 Mat Pilates (1)	
FITNS 380 Circuit Weight Training (1)	
FITNS 381 Weight Training (1)	
FITNS 390 Basic Yoga (1)	
<b>Total Units Required</b>	<b>21</b>

#### 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 obtaining a degree at a 4 year institution. Additionally, specific elective courses are designed to provide students professional development opportunities as well as to prepare them to pass the exams necessary to become fitness professionals; these courses will allow students the opportunity to seek entry level positions as personal trainers, group exercise instructors, and strength and conditioning instructors, or to seek employment at a fitness center or health club. Students are encouraged to refer to requirements from their designated transfer institution to assist them in planning their specific program of study.

##### 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.

<b>Required Program</b>	<b>Units</b>
BIOL 430 Anatomy and Physiology.....	5
BIOL 431 Anatomy and Physiology.....	5
CHEM 305 Introduction to Chemistry (5)..... or CHEM 400 General Chemistry I (5)	5
HEED 300 Health Science.....	3
HEED 301 Health and Societal Issues (3)..... or HEED 353 Healthy Eating, Stress Management, and Weight Control (3)	3
or KINES 410 Personal Trainer Certification: Exercise Science & Fitness Assessment (3)	
or KINES 412 Strength and Fitness Certification (3)	
or KINES 418 Nutrition for Physical Performance (3)	
or KINES 452 Psychology of Sport and Fitness (3)	
or RECR 300 Introduction to Recreation and Leisure Services (3)	
KINES 300 Introduction to Kinesiology.....	3
STAT 300 Introduction to Probability and Statistics (4) .....	4
or STAT 480 Introduction to Probability and Statistics – Honors (4)	
A minimum of 3 units from the following: .....	3
FITNS 306 Aerobics: Cardio-Kickboxing (1)	
FITNS 307 Aerobic Mix (1)	
FITNS 308 Step Aerobics (1)	
FITNS 310 Aquatic Fitness I (1)	
FITNS 321 Core Conditioning (1)	
FITNS 324 Mat Pilates (1)	
FITNS 326 Mat Pilates II (1)	
FITNS 331 Boot Camp Fitness (1)	
FITNS 332 Off Season Conditioning (0.5 – 1)	
FITNS 336 Plyometrics: Advanced Conditioning (1)	
FITNS 337 High Intensity Boot Camp Fitness (0.5 – 1)	
FITNS 343 Spin Bike (1)	
FITNS 344 Dynamic Fitness Training I (1)	
FITNS 345 Dynamic Fitness Training II (1)	
FITNS 349 Spin Bike II (1)	
FITNS 356 Trim and Tone Conditioning (0.5 – 1)	
FITNS 359 Intermediate Trim and Tone Conditioning (0.5 – 1)	
FITNS 371 Life Fitness Center Training (0.5 – 1)	
FITNS 372 Life Fitness Strength Training (0.5 – 1)	
FITNS 373 Life Fitness Center Functional Fitness Training (0.5 – 1)	
FITNS 374 Life Fitness Center Cross Training (0.5 – 1)	
FITNS 380 Circuit Weight Training (1)	
FITNS 381 Weight Training (1)	
FITNS 383 Olympic and Power Weight Lifting (1)	
FITNS 385 Weight Training for Competition (1)	
FITNS 387 Weight Training for Speed, Agility, Quickness: Advanced (1)	
FITNS 390 Basic Yoga (1)	
FITNS 392 Yoga (1)	
FITNS 401 Walking (0.5 – 1)	
FITNS 402 Running for Fitness (0.5 – 1)	
FITNS 404 High Intensity Walking (0.5 – 1)	
FITNS 412 Taekwondo I (1)	
FITNS 440 Swimming I (1)	
FITNS 441 Swimming II (1)	

FITNS 442 Swimming III (1)  
 FITNS 443 Swimming IV (1)  
 FITNS 444 Swimming V (1)  
 PACT 330 Boxing (1)  
 PACT 340 Fencing (1)  
 PACT 350 Golf I (1)  
 PACT 351 Golf II (1)  
 PACT 390 Tennis I (1)  
 PACT 391 Tennis II (1)  
 PACT 393 Tennis III (1)  
 PACT 394 Tennis, Doubles (1)  
 PACT 410 Wrestling (1)  
 TMACT 300 Soccer, Indoor (1)  
 TMACT 301 Indoor Soccer II (1)  
 TMACT 302 Soccer – Outdoor (1)  
 TMACT 303 Outdoor Soccer II (1)  
 TMACT 304 Outdoor Soccer III (1)  
 TMACT 320 Basketball (1)  
 TMACT 321 Basketball II (1)  
 TMACT 322 Basketball III (1)  
 TMACT 330 Volleyball (1)  
 TMACT 331 Volleyball II (1)  
 TMACT 333 Volleyball III (1)  
 TMACT 340 Football (1)  
 TMACT 341 Theory of Football Lab (1)  
 TMACT 370 Water Polo (1)

**Total Units Required****31**

physical education, therapeutic exercise and rehabilitation, and exercise and movement science. The Associate in Arts in Kinesiology can provide a foundation for students interested in working in these careers or careers in related fields.

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

- identify and apply standards required by the profession of choice.
- demonstrate and articulate a statement of values or code of ethics related to the major that reflects his or her respect for different ideas, peoples, and cultures.
- develop an understanding of the uses of technology in kinesiology, physical education, and sports analysis, research, and results.
- demonstrate continued personal and professional development by reviewing current literature, participating in associations, or sharing knowledge and experience with others.
- demonstrate an understanding of human development, both normal and abnormal, and the implications for program design.
- demonstrate an understanding of the basic structure of the human body and how its various systems respond.
- apply knowledge of the human body to develop appropriate fitness programs and fitness assessments to evaluate and analyze program and student success.

**Required Program****Units**

KINES 300 Introduction to Kinesiology.....	3
BIOB 430 Anatomy and Physiology.....	5
BIOB 431 Anatomy and Physiology.....	5

A minimum of 3 units from the following: ..... 3

Select one course maximum from three of the following areas.

## Aquatics:

- FITNS 310 Aquatic Fitness I (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)  
 or FITNS 444 Swimming V (1)

## Fitness:

- FITNS 306 Aerobics: Cardio-Kickboxing (1)  
 or FITNS 307 Aerobic Mix (1)  
 or FITNS 308 Step Aerobics (1)  
 or FITNS 321 Core Conditioning (1)  
 or FITNS 324 Mat Pilates (1)  
 or FITNS 326 Mat Pilates II (1)  
 or FITNS 331 Boot Camp Fitness (1)  
 or FITNS 336 Plyometrics: Advanced Conditioning (1)  
 or FITNS 343 Spin Bike (1)  
 or FITNS 344 Dynamic Fitness Training I (1)  
 or FITNS 356 Trim and Tone Conditioning (0.5 – 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 (0.5 – 1)  
 or FITNS 402 Running for Fitness (0.5 – 1)  
 or FITNS 412 Taekwondo I (1)

## Individual Sports:

- 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)



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 (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis.

**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,

**Team Sports:**

- 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 305 Introduction to Chemistry (5)
- CHEM 309 Integrated General, Organic, and Biological Chemistry (5)
- CHEM 400 General Chemistry I (5)

**Total Required Units**

25

**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.

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.

**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 321 Core Conditioning 1 Unit**

*Prerequisite: None.*

*General Education: AA/AS Area III(a)*

*Course Transferable to UC/CSU*

*Hours: 54 hours LAB*

This course incorporates a variety of activities including exercises with the stability ball, Bosu ball, Pilates mat, and yoga styles of core work to enhance abdominal, lower back, gluteal, and hip strength with toning benefits to the entire body.

<b>FITNS 324 Mat Pilates</b>	<b>1 Unit</b>	<b>FITNS 337 High Intensity Boot Camp Fitness</b>	<b>.5-1 Units</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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.		<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> This course is designed as an advanced boot camp fitness class that is conducted on campus using indoor and outdoor facilities and requires students to participate in various intermediate and high intensity workouts. Training methods may include activities not only related to strength, endurance, and flexibility, but also those requiring speed, power, and agility.	
<b>FITNS 326 Mat Pilates II</b>	<b>1 Unit</b>	<b>FITNS 343 Spin Bike</b>	<b>1 Unit</b>
<i>Prerequisite: FITNS 324 (Mat Pilates) with a grade of "C" or better.</i> <i>Students will be allowed enrollment in this course by completing a pre-test, which includes satisfactory demonstration of 1st level Pilates exercises.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> Mat Pilates II is a 2nd level course developed for the intermediate-level Pilates student. The course will include the basic foundation of mat exercises with the addition of intermediate and advanced level exercises. Routines will include resistance methods of training with focus on development of stronger core muscles.		<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a)</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> Spin Bike is specifically designed for students to improve their cardiovascular and strength levels with low impact on the joints. This course will use basic cycling and fitness drills based on speed, work resistance, and recovery periods. There may be some conditioning techniques done off the bikes as well.	
<b>FITNS 331 Boot Camp Fitness</b>	<b>1 Unit</b>	<b>FITNS 344 Dynamic Fitness Training I</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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.		<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> Dynamic fitness training is a course designed to use cross training and functional movements performed with constantly changing and relatively high intensity intervals. This course emphasizes proper mechanics utilizing body weight resistance and other methodologies. The work out is varied and designed to optimize fitness levels.	
<b>FITNS 332 Off-Season Conditioning</b>	<b>.5-1 Units</b>	<b>FITNS 345 Dynamic Fitness Training II</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>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.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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.		<i>Course Family: Dynamic Fitness</i> <i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a)</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> This is a cross training and constantly changing functional movement course that uses Olympic weight lifting and varied cardiovascular training and conditioning.	
<b>FITNS 336 Plyometrics: Advanced Conditioning</b>	<b>1 Unit</b>	<b>FITNS 349 Spin Bike II</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i> <i>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.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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.		<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a)</i> <i>Course Transferable to CSU</i> <i>Hours: 54 hours LAB</i> Spin Bike II is specifically designed for students to continue to improve their cardiovascular and strength levels with low impact exercise on the joints. This course will include an increased level of intensity using cycling workouts based on extended timed workload and recovery periods. Resistance training and core workouts are used off the bike for a total body workout.	

<b>FITNS 356 Trim and Tone Conditioning .5-1 Units</b>	<b>FITNS 373 Life Fitness Center Functional .5-1 Units Fitness Training</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> This course is designed to improve an individual's level of fitness, general appearance, and well-being. This course will concentrate on muscle toning and strength development through various activities, for example, exercises for abdomen and core, hamstrings and quadriceps, buttocks, and the upper body. This course may be offered as an open-entry, open-exit course. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester.	<i>Course Family: Life Fitness Center</i> <i>Prerequisite: FITNS 371 (Life Fitness Center Training) and 372 (Life Fitness Strength Training) with Pass grades.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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.
<b>FITNS 359 Intermediate Trim and Tone Conditioning .5-1 Units</b>	<b>FITNS 374 Life Fitness Center Cross Training .5-1 Units</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a)</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> This course is designed to improve an individual's level of core functional fitness through the use of a variety of exercise to engage the body's core while using a fitness ball. This course concentrates on muscle toning and strength development while creating instability through the use of a fitness ball adding to the challenge of general core conditioning exercises. Exercises involving hand weights, flexibility, and balance will be the primary focus in the course.	<i>Course Family: Life Fitness Center</i> <i>Prerequisite: FITNS 371, 372, and 373</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> This course is an open-entry, open-exit, course designed to provide instruction in cross training fitness exercises. Cross training fitness programs are designed to help the student balance his or her fitness program by varying the workout routines engaging different muscle groups. Cross training improves overall fitness and helps prevent overuse injuries that are common in single activity programs. Emphasis is placed on the use of multiple aerobic activities (walking, running, biking, elliptical) plus muscular strength and functional fitness exercises. FITNS 371, FITNS 372, and FITNS 373 with a Pass grade are prerequisites for this course. This course is graded Pass/No Pass. Students may enroll in the course up to the fourth week of the semester.
<b>FITNS 371 Life Fitness Center Training .5-1 Units</b>	<b>FITNS 380 Circuit Weight Training 1 Unit</b>
<i>Course Family: Life Fitness Center</i> <i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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.	<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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.
<b>FITNS 372 Life Fitness Strength Training .5-1 Units</b>	<b>FITNS 381 Weight Training 1 Unit</b>
<i>Course Family: Life Fitness Center</i> <i>Prerequisite: FITNS 371 with a Pass grade.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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.	<i>Course Family: Weight Training</i> <i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i> 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. This course will be offered as an open-entry/open-exit course. Students may enroll in this open-entry/open-exit course up to the fourth week of the semester. This course is graded Pass/No Pass.

<b>FITNS 383</b>	<b>Olympic and Power Weight Lifting</b>	<b>1 Unit</b>	<b>FITNS 392</b>	<b>Yoga</b>	<b>1 Unit</b>
<i>Course Family: Weight Training</i>			<i>Prerequisite: None.</i>		
<i>Prerequisite: None.</i>			<i>General Education: AA/AS Area III(a); CSU Area E2</i>		
<i>General Education: AA/AS Area III(a); CSU Area E2</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 54 hours LAB</i>		
<i>Hours: 54 hours LAB</i>			This course allows students to explore and develop their yoga practice, whether the focus for the individual is on stress reduction and relaxation, for the variety of health benefits a yoga practice offers: for inner harmony, balance, and overall well-being, for spiritual connection and growth; or for stretching and strengthening a variety of muscle groups involved in a yoga practice. This course is designed to assist any and all of those goals through support and guidance in a safe and nurturing learning environment. Students will be required to purchase a yoga mat.		
<b>FITNS 385</b>	<b>Weight Training for Competition</b>	<b>1 Unit</b>	<b>FITNS 401</b>	<b>Walking</b>	<b>.5-1 Units</b>
<i>Course Family: Weight Training</i>			<i>Prerequisite: None.</i>		
<i>Prerequisite: None.</i>			<i>General Education: AA/AS Area III(a); CSU Area E2</i>		
<i>General Education: AA/AS Area III(a)</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 54 hours LAB</i>		
<i>Hours: 54 hours LAB</i>			This is a physical education course designed to improve a student's level of fitness, physical appearance, and well being. This course will concentrate on techniques, cardiovascular endurance, muscle strengthening, and flexibility utilizing walking as an activity. Walking workouts use on and off-campus routes. Students will be advised to have proper walking shoes or running shoes.		
<b>FITNS 387</b>	<b>Weight Training for Speed, Agility, Quickness: Advanced</b>	<b>1 Unit</b>	<b>FITNS 402</b>	<b>Running for Fitness</b>	<b>.5-1 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>General Education: AA/AS Area III(a); CSU Area E2</i>			<i>General Education: AA/AS Area III(a); CSU Area E2</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LAB</i>			<i>Hours: 54 hours LAB</i>		
This course is a strength training program for students who are interested in preparing for competition or increased physical preparedness. It is designed to develop the strength, power, and muscular endurance appropriate for competition or any other physical activity. This course will be offered as an open-entry/open-exit course. Students may enroll in this open-entry/open-exit course up to the fourth week of the semester. This course is graded Pass/No Pass.			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.		
<b>FITNS 390</b>	<b>Basic Yoga</b>	<b>1 Unit</b>	<b>FITNS 404</b>	<b>High Intensity Walking</b>	<b>.5-1 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>General Education: AA/AS Area III(a); CSU Area E2</i>			<i>General Education: AA/AS Area III(a)</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LAB</i>			<i>Hours: 54 hours LAB</i>		
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.			This course promotes physical fitness with the primary activity of walking in various intensity environments including but not limited to walking hills, speed intervals, and increased resistance (weighted devices and/or incline). The focus is on increasing cardiovascular efficiency, endurance, and muscular strength.		
<b>FITNS 407</b>	<b>Intermediate Walking Fitness</b>	<b>1 Unit</b>	<b>FITNS 407</b>	<b>Intermediate Walking Fitness</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LAB</i>			<i>Hours: 54 hours LAB</i>		
This physical education course is designed to promote a student's level of fitness, physical appearance, and well being. This course will concentrate on techniques, cardiovascular endurance, muscle strengthening, and flexibility utilizing walking as an activity. Walking workouts use on – and off-campus routes. Students will be advised to have proper walking shoes or running shoes.					

<b>FITNS 412    Taekwondo I</b>	<b>1 Unit</b>	<b>FITNS 442    Swimming III</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i>		<i>Course Family: Swimming</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>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.</i>	
<i>Course Transferable to UC/CSU</i>		<i>General Education: AA/AS Area III(a); CSU Area E2</i>	
<i>Hours: 54 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
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.		<i>Hours: 54 hours LAB</i>	
<b>FITNS 436    Lifeguard Training</b>	<b>2 Units</b>	<b>FITNS 443    Swimming IV</b>	<b>1 Unit</b>
<i>Prerequisite: FITNS 440 – Advanced Swimming with a grade of "C" or better or equivalent.</i>		<i>Course Family: Swimming</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>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.</i>	
<i>Course Transferable to UC/CSU</i>		<i>General Education: AA/AS Area III(a); CSU Area E2</i>	
<i>Hours: 28 hours LEC; 24 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
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.		<i>Hours: 54 hours LAB</i>	
<b>FITNS 440    Swimming I</b>	<b>1 Unit</b>	<b>FITNS 444    Swimming V</b>	<b>1 Unit</b>
<i>Course Family: Swimming</i>		<i>Course Family: Swimming</i>	
<i>Prerequisite: None.</i>		<i>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.</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>General Education: AA/AS Area III(a); CSU Area E2</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 54 hours LAB</i>		<i>Hours: 54 hours LAB</i>	
Non-swimmers will learn basic water acclimation, water safety, and how to perform basic swimming skills. Students will learn the front and back float, front and back streamline glide, and introductory skills in freestyle stroke, backstroke, and proper breathing. This course is graded Pass/No Pass.		This is an open-entry/open-exit course designed to teach advanced intermediate swimmers (those who have mastered intermediate swimming skills) to identify and demonstrate proper technique specific to the four competitive strokes, proper training protocols, and training design. Students will learn and refine proper stroke technique of freestyle, backstroke, breaststroke, and butterfly. Students will refine underwater efficiency in diving, turns, and breakouts for all competitive strokes. Students will develop more advanced swim training protocols, drills, and workout designs. A required orientation includes explanation of class rules, procedures, safety, course objectives, and methods of instruction. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester.	
<b>FITNS 441    Swimming II</b>	<b>1 Unit</b>		
<i>Course Family: Swimming</i>			
<i>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.</i>			
<i>General Education: AA/AS Area III(a); CSU Area E2</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LAB</i>			
This is an open-entry/open-exit course designed to teach mastery of basic water adjustment skills, floats, glides, freestyle and backstroke techniques to beginning swimmers with limited skills. It is appropriate for those who are uncomfortable in deep water or those who need to refine their ability to swim 25 yards without stopping. A required orientation includes explanation of class rules, procedures, safety, course objectives, and methods of instruction. This course is graded Pass/No Pass. Students may enroll in the class up to the fourth week of the semester.			

<b>FITNS 499      Experimental Offering in Fitness</b>	<b>.5-4 Units</b>	<b>KINES 346      Theory of Basketball</b>	<b>2 Units</b>
<i>Prerequisite: None.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 216 hours LAB</i> 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.		<i>Prerequisite: None.</i> <i>General Education: CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 36 hours LEC</i> 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.	
<b>Kinesiology (KINES)</b>			
<b>KINES 300      Introduction to Kinesiology</b>	<b>3 Units</b>	<b>KINES 352      Theory of Football</b>	<b>2 Units</b>
<i>Prerequisite: None.</i> <i>Advisory: ENGWR 101 or ESLW 310 with a grade of "C" or better.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i> 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.		<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 36 hours LEC</i> This course will implement current offensive and defensive schemes and cover how each position fulfills a vital role toward successful execution at both the community college and four year level. These concepts will be divided into the various components of the sport to include offense, defense, and special teams. Emphasis shall be placed upon the student understanding the inherent role of each position assignment of a dynamic scheme and how that strengthens the relative efficiency of the unit in execution throughout the competitive environment.	
<b>KINES 304      Introduction to Sports Management</b>	<b>3 Units</b>	<b>KINES 354      Theory of Soccer</b>	<b>2 Units</b>
<i>Prerequisite: None.</i> <i>Advisory: ENGWR 101 or ESLW 310 with a grade of "C" or better.</i> <i>Course Transferable to CSU</i> <i>Hours: 54 hours LEC</i> 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.		<i>Prerequisite: None.</i> <i>General Education: CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 36 hours LEC</i> 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.	
<b>KINES 342      Theory of Baseball</b>	<b>2 Units</b>	<b>KINES 364      Theory of Swimming</b>	<b>2 Units</b>
<i>Prerequisite: None.</i> <i>General Education: CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 36 hours LEC</i> 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.		<i>Prerequisite: None.</i> <i>General Education: CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 36 hours LAB</i> 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.	

<b>KINES 365 Theory of Water Polo</b>	<b>2 Units</b>	<b>KINES 410 Personal Trainer Certification: Exercise Science &amp; Fitness Assessment</b>	<b>3 Units</b>
<i>Prerequisite: None.</i> <i>General Education: CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 36 hours LEC</i>		<i>Prerequisite: None.</i> <i>Course Transferable to CSU</i> <i>Hours: 54 hours LEC</i>	
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.		This course is designed to provide the theoretical knowledge necessary to prepare for the American Council on Exercise's National Personal Training Certification Exam. Topics include the following: introduction to exercise physiology and exercise adaptation, human anatomy, applied kinesiology, basic nutrition and nutritional strategies for exercise, obesity and weight management, fitness across the lifespan, and special considerations.	
<b>KINES 374 Theory of Volleyball</b>	<b>2 Units</b>	<b>KINES 411 Personal Trainer Certification: Program Design &amp; Instructional Methodology</b>	<b>3.5 Units</b>
<i>Prerequisite: None.</i> <i>General Education: CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 18 hours LEC; 54 hours LAB</i>		<i>Prerequisite: KINES 410 or PET 410 with a grade of "C" or better.</i> <i>HEED 314 with a grade of "C" or better or equivalent.</i> <i>General Education: AA/AS Area III(b); CSU Area E1</i> <i>Course Transferable to CSU</i> <i>Hours: 54 hours LEC; 27 hours LAB</i>	
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.		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.	
<b>KINES 376 Theory of Wrestling</b>	<b>2 Units</b>	<b>KINES 412 Strength and Fitness Certification</b>	<b>3 Units</b>
<i>Prerequisite: None.</i> <i>General Education: CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 36 hours LEC</i>		<i>Prerequisite: None.</i> <i>Course Transferable to CSU</i> <i>Hours: 54 hours LEC</i>	
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.		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.	
<b>KINES 381 Fitness and Weight Management</b>	<b>2 Units</b>	<b>KINES 418 Nutrition for Physical Performance</b>	<b>3 Units</b>
<i>Prerequisite: None.</i> <i>Advisory: ESLR 320 and ESLW 320 with grades of "C" or better.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 18 hours LEC; 54 hours LAB</i>		<i>Same As: NUTRI 302</i> <i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(b); CSU Area E1</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i>	
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.		This course will explore nutrition and fitness with emphasis on the relationship among nutrition, physical activity, lifelong fitness, and health. Credit will be awarded for NUTRI 302 or KINES 418 but not both.	
<b>KINES 382 Wellness</b>	<b>1 Unit</b>		
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LAB</i>			
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.			

<b>KINES 450    Sport in Society</b>	<b>3 Units</b>	<b>KINES 457    Sport First Aid for Coaches</b>	<b>2 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: ENGWR 300 and ESLW 310 with grades of "C" or better</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to CSU</i>		<i>Hours: 36 hours LEC</i>	
<i>Hours: 54 hours LEC</i>		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 formerly known as PET 457.	
<b>KINES 451    Principles and Theory of Athletic Coaching</b>	<b>3 Units</b>	<b>KINES 495    Independent Studies in Physical Education Theory</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: ENGWR 101 with a grade of "C" or better.</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 162 hours LAB</i>	
<i>Hours: 54 hours LEC</i>		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.	
<b>KINES 452    Psychology of Sport and Fitness</b>	<b>3 Units</b>	<b>KINES 497    Internship in Physical Education – Theory</b>	<b>1-4 Units</b>
<i>Prerequisite: None.</i>		<i>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.</i>	
<i>Advisory: ENGWR 101 with a grade of "C" or better.</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to CSU</i>		<i>Hours: 18 hours LEC; 162 hours LAB</i>	
<i>Hours: 54 hours LEC</i>		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.	
<b>KINES 453    Training and Conditioning of Sports</b>	<b>2 Units</b>	<b>KINES 499    Experimental Offering</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>		<i>Physical Education Theory</i>	
<i>Advisory: ENGWR 101 with a grade of "C" or better.</i>		<i>Prerequisite: None</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 36 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
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.		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.	
<b>KINES 454    Coaching the Young Athlete</b>	<b>2 Units</b>		
<i>Prerequisite: None.</i>			
<i>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.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 36 hours LEC</i>			
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.			

## 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 strategic development of the player while refining racket strokes and court positioning that complete points. Hitting patterns, serving placement, and tactical movement will also be developed.

### **PACT 394    Tennis, Doubles**

**1 Unit**

*Course Family: Tennis*

*Prerequisite: None.*

*General Education: AA/AS Area III(a)*

*Course Transferable to CSU*

*Hours: 54 hours LAB*

This course provides instruction for intermediate and advanced players in competitive doubles tennis applications and for enjoyment of the sport. Game tactics, strategies, and skills development are emphasized.

### **PACT 410    Wrestling**

**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 430    Pickleball I**

**1 Unit**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 54 hours LAB*

This course covers basic technique of strokes, rules of play, simple strategies, and the etiquette of Pickleball. As a relative newcomer in the field, Pickleball combines the court dimensions of Pop or Spec Tennis with a whiffle like ball and a larger version of a table tennis paddle to be enjoyed as an active and safe sport for a diversity of age and athletic backgrounds.

<b>PACT 499</b>	<b>Experimental Offering in Personal Activity</b>	<b>.5-4 Units</b>	<b>SPORT 93</b>	<b>Academic Study Skills for Student Athletes</b>	<b>.5-1 Units</b>
<i>Prerequisite: None.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 270 hours LAB</i> See Experimental Offerings			<i>Prerequisite: None.</i> <i>Enrollment Limitation: Must be a student-athlete registered in an inter-collegiate sport at Sacramento City College.</i> <i>Hours: 54 hours LAB</i>	This lecture/lab course is being offered as an open – entry/open-exit course designed to assist the at-risk student athlete in acquiring basic study skills and work habits to gain success in the classroom. Learning from your mistakes and using your critical thinking skills will be presented. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. Students must complete 27 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass.	

## Sports (SPORT)

<b>SPORT 90</b>	<b>Academic Study Skills for Student Athletes</b>	<b>.5-1 Units</b>
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<i>Prerequisite: None.</i> <i>Enrollment Limitation: Must be a student-athlete registered in an inter-collegiate sport at Sacramento City College.</i> <i>Hours: 54 hours LAB</i>	This lab course is an open-entry/open-exit course designed to assist the at-risk student athlete in acquiring basic study skills and work habits to gain success in the classroom. In addition, the student-athlete will learn and apply time and stress management techniques, note taking techniques, and test taking techniques. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. Students must complete 27 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass.
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<b>SPORT 91</b>	<b>Academic Study Skills for Student Athletes</b>	<b>.5-1 Units</b>
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<i>Prerequisite: None.</i> <i>Enrollment Limitation: Must be a student-athlete registered in an inter-collegiate sport at Sacramento City College.</i> <i>Hours: 54 hours LAB</i>	This lab course is being offered as an open-entry/open – exit course designed to assist the at-risk student athlete in acquiring basic study skills and work habits to gain success in the classroom. Memory and visualization techniques, “muscle” reading, and learning styles will be included. Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. Students must complete 27 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass.
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<b>SPORT 92</b>	<b>Academic Study Skills for Student Athletes</b>	<b>.5-1 Units</b>
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<i>Prerequisite: None.</i> <i>Enrollment Limitation: Must be a student-athlete registered in an inter-collegiate sport at Sacramento City College.</i> <i>Hours: 54 hours LAB</i>	This lab course is being offered as an open-entry/open – exit course designed to assist the at-risk student athlete in acquiring basic study skills and work habits to gain success in the classroom. In addition, the student-athlete will learn about the rules and regulations for the local governing conference, California Community College Athletic Association (CCCAA), National Collegiate Athletic Association (NCAA), and National Association of Intercollegiate Athletics (NAIA). Academic and athletic requirements at each organizational level will be presented. Social issues that affect athletics will also be discussed such as performance enhancement drugs (PEDs), substance abuse, violence, athletes with disabilities, and diversity). Students may enroll in this open-entry/open-exit course up to the eighth week of the semester. Students must complete 27 hours of work to earn 0.5 unit of credit per semester. Grades are Pass/No Pass.
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<b>SPORT 300</b>	<b>Baseball, Intercollegiate-Men</b>	<b>3 Units</b>
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<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Enrollment Limitation: Prior to enrollment the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 175 hours LAB</i>	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.
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<b>SPORT 301</b>	<b>Off-Season Conditioning for Units Baseball</b>	<b>.5-3</b>
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<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 162 hours LAB</i>	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.
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<b>SPORT 303</b>	<b>Pre-Season Conditioning for Baseball</b>	<b>.5-3 Units</b>
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<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>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.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 162 hours LAB</i>	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.
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<b>SPORT 311</b>	<b>Basketball, Intercollegiate-Men, Fall</b>	<b>1.5 Units</b>	<b>SPORT 314</b>	<b>Pre-Season Conditioning for Basketball</b>	<b>.5-3 Units</b>
Prerequisite:	None.		Prerequisite:	None.	
General Education:	AA/AS Area III(a); CSU Area E2		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 the coaching staff.		Enrollment Limitation:	In order to take the SPORT 314 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. The student should contact the instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.	
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours:	88 hours LAB		Hours:	162 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.			This kinesiology course involves a combination of skill development and strategy tactics with an emphasis on a fitness component for the sport of basketball. The course will also offer a mental training component for peak performance. This course is designed to prepare students for intercollegiate basketball competition and may be taken for a maximum of 4 units to meet California Community College Athletic Association requirements for eligibility.		
<b>SPORT 312</b>	<b>Basketball, Intercollegiate-Men, Spring</b>	<b>1.5 Units</b>	<b>SPORT 316</b>	<b>Basketball, Intercollegiate-Women, Fall</b>	<b>1.5 Units</b>
Prerequisite:	SPORT 311 with a grade of "C" or better		Prerequisite:	None.	
General Education:	AA/AS Area III(a); CSU Area E2		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 the coaching staff.		Enrollment Limitation:	Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.	
Course Transferable to UC/CSU			Course Transferable to UC/CSU		
Hours:	87 hours LAB		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 league and post-season competition phases of the season. This course may be taken three times for credit.			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.		
<b>SPORT 313</b>	<b>Off-Season Conditioning for Basketball</b>	<b>.5-3 Units</b>	<b>SPORT 317</b>	<b>Basketball, Intercollegiate-Women, Spring</b>	<b>1.5 Units</b>
Prerequisite:	None.		Prerequisite:	SPORT 316 with a grade of "C" or better	
General Education:	AA/AS Area III(a); CSU Area E2		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.		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			Course Transferable to UC/CSU		
Hours:	162 hours LAB		Hours:	87 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.			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.		

<b>SPORT 318 Post-Season Conditioning for Basketball</b>	<b>.5-3 Units</b>	<b>SPORT 330 Football, Intercollegiate-Men</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>General Education: AA/AS Area III(a); CSU Area E2</i>	
<i>Enrollment Limitation: In order to take the SPORT 318 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.</i>		<i>Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 162 hours LAB</i>		<i>Hours: 175 hours LAB</i>	
This kinesiology course involves a combination of skill development and strategy tactics with an emphasis on a fitness component for the sport of basketball. The course will also offer a mental training component for peak performance. This course is designed to prepare students for intercollegiate basketball competition and may be taken for a maximum of 4 units to meet California Community College Athletic Association requirements for eligibility.		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.	
<b>SPORT 320 Cross Country, Intercollegiate-Men</b>	<b>3 Units</b>	<b>SPORT 331 Off-Season Conditioning for Football</b>	<b>.5-3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>General Education: AA/AS Area III(a); CSU Area E2</i>	
<i>Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 162 hours LAB</i>	
<i>Hours: 175 hours LAB</i>		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.	
<b>SPORT 325 Cross Country, Intercollegiate-Women</b>	<b>3 Units</b>	<b>SPORT 332 Pre-Season Conditioning for Football</b>	<b>.5-3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>General Education: AA/AS Area III(a); CSU Area E2</i>	
<i>Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.</i>		<i>Enrollment Limitation: In order to take the SPORT 332 class, each student must: 1) be listed as a student athlete, by the head coach, on the official team roster; and 2) obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 175 hours LAB</i>		<i>Hours: 162 hours LAB</i>	
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.		This course covers advanced offensive and defensive strategies for football at the college level. Blocking schemes and tackling techniques, as well as offensive and defensive formations are discussed. Strength and conditioning drills are implemented to enhance football skills. This course may be taken up to four times for credit.	
<b>SPORT 326 Off-Season Conditioning for Women's Cross Country</b>	<b>.5-3 Units</b>	<b>SPORT 345 Golf, Intercollegiate-Women</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>General Education: AA/AS Area III(a); CSU Area E2</i>	
<i>Course Transferable to UC/CSU</i>		<i>Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by a tryout conducted by the coaching staff.</i>	
<i>Hours: 162 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
This course involves sport specific training, conditioning, and technical skill development specific to the sport of cross country for the off-season student athlete. Course content includes: sport specific skill development, event specific strength training, cardiovascular conditioning, agility training, plyometric drills, anaerobic speed development, and enhancement of flexibility. This course may be taken up to four times for credit.		<i>Hours: 175 hours LAB</i>	
		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.	

<b>SPORT 346 Off-Season Conditioning for Women's Golf</b>	<b>1-3 Units</b>	<b>SPORT 365 Softball, Intercollegiate-Women 3 Units</b>
Prerequisite: None. General Education: AA/AS Area III(a); CSU Area E2 Course Transferable to UC/CSU Hours: 162 hours LAB		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 the coaching staff. Course Transferable to UC/CSU Hours: 175 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.		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.
<b>SPORT 355 Soccer, Intercollegiate-Women 3 Units</b>		<b>SPORT 366 Off-Season Conditioning for Softball .5-3 Units</b>
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 the coaching staff. Course Transferable to UC/CSU Hours: 175 hours LAB		Prerequisite: None. General Education: AA/AS Area III(a); CSU Area E2 Course Transferable to UC/CSU Hours: 162 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.		This physical education course involves a combination of basic skills and strategy tactics with an emphasis on a fitness component for the sport of softball. The course will also offer a mental training component for peak performance. This course is designed to prepare students for intercollegiate softball competition and may be taken four times for credit to meet California Community College Athletic Association requirements for eligibility.
<b>SPORT 356 Off-Season Conditioning for Women's Soccer</b>	<b>1-3 Units</b>	<b>SPORT 370 Swimming and Diving, Intercollegiate-Men 3 Units</b>
Prerequisite: None. General Education: AA/AS Area III(a); CSU Area E2 Course Transferable to UC/CSU Hours: 162 hours LAB		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 the coaching staff. Course Transferable to UC/CSU Hours: 175 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.		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.
<b>SPORT 357 Pre-Season Conditioning for Women's Soccer</b>	<b>.5-3 Units</b>	<b>SPORT 375 Swimming and Diving, Intercollegiate-Women 3 Units</b>
Prerequisite: None. General Education: AA/AS Area III(a); CSU Area E2 Enrollment Limitation: In order to take the SPORT 357 class, each student must: 1) Be listed as a student athlete, by the head coach, on the official team roster; and 2) Obtain medical clearance, including a physical performed by a licensed physician. Student should contact instructor for process and required forms. Once enrolled, the student must demonstrate intercollegiate athletic level skills as determined by the coaching staff to remain enrolled in this course. Course Transferable to UC/CSU Hours: 162 hours LAB		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 the coaching staff. Course Transferable to UC/CSU Hours: 175 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.		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.

<b>SPORT 376 Off-Season Swim &amp; Dive .5-3 Units</b>	<b>SPORT 386 Off-Season Conditioning for Tennis .5-3 Units</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Enrollment Limitation: Try out. This course is designed for athletes on the swim team.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 175 hours LAB</i> 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.	<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 162 hours LAB</i> 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.
<b>SPORT 377 Pre-Season Conditioning .5-3 Units Swim &amp; Dive</b>	<b>SPORT 390 Track and Field, 3 Units Intercollegiate-Men</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>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.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 162 hours LAB</i> 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.	<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 175 hours LAB</i> The intercollegiate track and field course provides training for competition with other community college teams. Each student will be trained in the fundamental and advanced techniques needed for his specific events, along with the rules, strategies, sportsmanship, and teamwork appropriate for intercollegiate competition. This course may be taken four times for credit.
<b>SPORT 380 Tennis, Intercollegiate-Men 3 Units</b>	<b>SPORT 395 Track and Field, 3 Units Intercollegiate-Women</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 175 hours LAB</i> 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.	<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 175 hours LAB</i> 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.
<b>SPORT 385 Tennis, Intercollegiate-Women 3 Units</b>	<b>SPORT 396 Off-Season Conditioning for Track and Field .5-3 Units</b>
<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as determined by the coaching staff.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 175 hours LAB</i> 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.	<i>Prerequisite: None.</i> <i>General Education: AA/AS Area III(a); CSU Area E2</i> <i>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.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 162 hours LAB</i> 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.

<b>SPORT 403 Pre-Season Conditioning for Volleyball</b>	<b>.5-3 Units</b>	<b>SPORT 416 Off-Season Water Polo</b>	<b>.5-3 Units</b>
Prerequisite: None.		Prerequisite: None.	
General Education: AA/AS Area III(a); CSU Area E2		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		Enrollment Limitation: Try out.	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 162 hours LAB		Hours: 175 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.		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.	
<b>SPORT 405 Volleyball, Intercollegiate-Women</b>	<b>3 Units</b>	<b>SPORT 417 Pre-Season Conditioning for Water Polo</b>	<b>.5-3 Units</b>
Prerequisite: None.		Prerequisite: None.	
General Education: AA/AS Area III(a); CSU Area E2		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. Prior to enrollment the student must also demonstrate intercollegiate athletic skills as determined by the coaching staff.		Enrollment Limitation: In order to take the SPORT 417 class, each student must: 1) Be listed as a student athlete, by the head coach, on the official team roster; and 2) Obtain medical clearance, including a physical performed by a licensed physician. Students should contact the instructor for process and required forms.	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 175 hours LAB		Hours: 162 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.		This course is designed for student athletes on or trying out for the water polo collegiate team. The course combines basic skills and strategy tactics with an emphasis on a fitness component for the sport of water polo. It also offers a dry-land training component for peak performance. This course is designed to prepare students for intercollegiate water polo competition.	
<b>SPORT 406 Off-Season Conditioning for Volleyball</b>	<b>.5-3 Units</b>	<b>SPORT 420 Wrestling, Intercollegiate-Men</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
General Education: AA/AS Area III(a); CSU Area E2		General Education: AA/AS Area III(a); CSU Area E2	
Course Transferable to UC/CSU		Enrollment Limitation: Prior to enrollment, the student must demonstrate intercollegiate athletic skills as by the coaching staff.	
Hours: 162 hours LAB		Course Transferable to UC/CSU	
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.		Hours: 175 hours LAB	
<b>SPORT 415 Water Polo, Intercollegiate-Women</b>	<b>3 Units</b>	<b>SPORT 421 Off-Season Conditioning for Units Wrestling</b>	<b>1-3</b>
Prerequisite: None.		Prerequisite: None.	
General Education: AA/AS Area III(a); CSU Area E2		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 the coaching staff.		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		Course Transferable to UC/CSU	
Hours: 175 hours LAB		Hours: 162 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.		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: 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 UC/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 UC/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 UC/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.

<b>TMACT 330 Volleyball</b>	<b>1 Unit</b>	<b>TMACT 370 Water Polo</b>	<b>1 Unit</b>
<i>Course Family: Volleyball</i>		<i>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.</i>	
<i>Prerequisite: None.</i>		<i>General Education: AA/AS Area III(a); CSU Area E2</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 54 hours LAB</i>	
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.			
<b>TMACT 331 Volleyball II</b>	<b>1 Unit</b>	<b>TMACT 499 Experimental Offering in Team Activity</b>	<b>.5-4 Units</b>
<i>Course Family: Volleyball</i>		<i>Prerequisite: None</i>	
<i>Prerequisite: TMACT 330 (Volleyball I) or equivalent skills demonstrated through an assessment process with the instructor.</i>		<i>Course Transferable to UC/CSU</i>	
<i>General Education: AA/AS Area III(a); CSU Area E2</i>		<i>Hours: 18 hours LEC; 216 hours LAB</i>	
<i>Course Transferable to UC/CSU</i>		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.	
<i>Hours: 54 hours LAB</i>			
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.			
<b>TMACT 333 Volleyball III</b>	<b>1 Unit</b>		
<i>Course Family: Volleyball</i>			
<i>Prerequisite: TMACT 331 (Volleyball II) or equivalent skills demonstrated through an assessment process with the instructor.</i>			
<i>General Education: AA/AS Area III(a); CSU Area E2</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LAB</i>			
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.			
<b>TMACT 340 Football</b>	<b>1 Unit</b>		
<i>Prerequisite: None.</i>			
<i>General Education: AA/AS Area III(a); CSU Area E2</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LAB</i>			
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.			
<b>TMACT 341 Theory of Football Lab</b>	<b>1 Unit</b>		
<i>Prerequisite: None.</i>			
<i>General Education: AA/AS Area III(a); CSU Area E2</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LAB</i>			
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.			

# Learning, Tutoring and Academic Technology LTAT

Division of Learning Resources  
Kevin Flash, Dean  
Learning Resource Center, room 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.

<b>LTAT 311</b>	<b>Introduction to Group Peer Tutoring</b>	<b>1 Unit</b>
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*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.

<b>LTAT 312</b>	<b>Introduction to Individual Peer Writing Tutoring</b>	<b>1 Unit</b>
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*Prerequisite: ENGWR 101 with a grade of "B" or better or ESLW 320 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.*

Advisory: 3.000 300, with a  
Course Transferable to CSU

*Course transferable  
Hours: 9 hours / EC*

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.

<b>LTAT 495</b>	<b>Independent Studies in Learning, Tutoring and Academic Technology</b>	<b>1-3 Units</b>
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*Prerequisite:* None.

*Course Transferable to CSU*

*Hours: 162 hours LAB*

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.

<b>LTAT 499</b>	<b>Experimental Offering in Learning, Tutoring, and Academic Technology</b>	<b>1 Unit</b>
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*Prerequisite: None*

### *Course Transferable to CSU*

*Hours: 18 hours LEC*

See Experimental Offering

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 (<https://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 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 (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: 18 hours LEC*

This course will explore print and electronic sources of medical information. It is designed for people working in libraries with medical resources or individuals interested in the medical field.

### **LIBR 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 and ENGRD 310, or ESLW 320 and ESLR 320 with grades of "C" or better. 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: 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, and students. Independent study in Library coursework allows students to investigate and explore areas of interest in the field.

**LIBR 499      Experimental Offering in      .5-4 Units  
Library**

*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**  
Kevin Flash, Dean  
Learning Resource Center, room 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, businesses, 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
CISA 315 Introduction to Electronic Spreadsheets .....	2
LIBT 100 Introduction to Library and Information Technology.....	1
LIBT 300 Introduction to Library Services .....	2
LIBR 325 Internet Research Skills (3).....	3
or LIBT 325 Internet Research Skills (3)	
LIBT 330 Library Technical Processes .....	3
LIBT 331 Library Cataloging Procedures.....	3
LIBT 333 Library/Media Materials and Equipment .....	1
LIBT 343 Library Public Services.....	3

LIBT 345 Library Teamwork and Supervision .....	2
LIBT 110 Job Search Skills.....	1
A minimum of 2 units from the following: .....	2
LIBT 498 Work Experience in Library and Information Technology (1 – 4)	
A minimum of 1 unit from the following: .....	1
LIBT 498 Work Experience in Library and Information Technology (1 – 4)	
or WEXP 498 Work Experience in (Subject) (1 – 4)	
Total Units Required	<b>24</b>

### Suggested Electives

LIBR 305, 306, 307, 309, 318; LIBT 340, 341, 499; BUS 260, 261, 262, 265, 266, 267, 268, 269, 310, 330; CISA 305, 340; CISC 310; COMM 341; ECE 312; ENGLT 370; MKT 300

### 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      1 Unit

*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. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.*

*Hours: 18 hours LEC*

This course is designed to introduce students to the Library and Information Technology Program at Sacramento City College and to the culture and expectations of the library profession as a whole. Topics will include an overview of the library profession and important skills used by library paraprofessionals such as effective communication and basic computer skills. Students will also learn to use the online learning system, library catalog, and databases. Students should plan on taking this course in conjunction with or before they begin LIBT 300.

### LIBT 110      Job Search Skills      1 Unit

*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. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.*

*Hours: 18 hours LEC*

This course will prepare students for a successful job search in



**LIBT 342      Libraries in Correctional Settings    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. Successful completion of CISC 300 or basic familiarity with computers is recommended for this course.*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course is designed to provide students with an overview of the main skills, requirements, and knowledge expected of staff members working in correctional libraries. Topics include the history and current state of correctional libraries, collection development and management, library staffing in correctional settings, literacy improvement opportunities, and legal issues.

**LIBT 343      Library Public Services    3 Units**

*Prerequisite: LIBT 100 and LIBT 300 with a grade of "C" or better OR current enrollment in LIBT 100 and LIBT 300*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

This course acquaints students with library access and reference services, including the different aspects of interacting with library patrons in a public environment and providing them with access to library collections. Students will learn to select and successfully utilize the appropriate resource to assist library patrons with questions and finding information. Students will also learn about circulation systems, security, collection maintenance, and resource sharing in libraries. Ethical issues in libraries such as intellectual property, privacy, equity, and diversity will also be addressed. Field trips to local libraries or alternative assignments will be required. Students will be required to be on campus for a specific number of class sessions.

**LIBT 345      Library Teamwork and Supervision    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. Successful completion of CISC 300 or 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 service, budgeting, operational manuals and reports, problem behavior, disaster preparedness, and the principles of supervision. Visits to local libraries or alternative assignments may be required.

**LIBT 494      Topics in Library and Information Technology    .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: 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, 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****MATHS****Degree:****A.S. – Mathematics****AS-T – Mathematics for Transfer****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**

	<b>Units</b>
MATH 400 Calculus I .....	5
MATH 401 Calculus II .....	5
MATH 402 Calculus III .....	5
MATH 410 Introduction to Linear Algebra.....	3
MATH 420 Differential Equations.....	4

A minimum of 3 units from the following: ..... 3

CISP 360 Introduction to Structured Programming (4)

CISP 400 Object Oriented Programming with C++ (4)

CISP 401 Object Oriented Programming with Java (4)

ENGR 405 Engineering Problem Solving (3)

PHIL 325 Symbolic Logic (3)

STAT 300 Introduction to Probability and Statistics (4)

or STAT 480 Introduction to Probability and Statistics – Honors (4)

**Total Units 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.

**Division of Mathematics/Statistics & Engineering****Dr. Daniel Styer, Dean****Rodda Hall North, room 300****916-558-2202**

**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 Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

**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**

	<b>Units</b>
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.

For students taking their first transfer-level mathematics course, Sacramento City College offers mathematics support courses (see MATHS). These courses can be found in the next section following the MATH courses.

## Mathematics (MATH)

### MATH 14 Preparation for Math – Success Academy 1 Unit

*Prerequisite: Placement through the assessment process.*

*Hours: 18 hours LEC*

This course provides an introduction to student learning expectations and the outcomes of higher education. This course has a specific focus on math preparation through the implementation of individualized group instruction for students. This course is primarily intended for students who will be taking an Arithmetic, Pre-Algebra, Elementary Algebra, or Intermediate Algebra course in the upcoming semester.

### MATH 27 Self-Paced Basic Skills Mathematics .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 or 134 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.

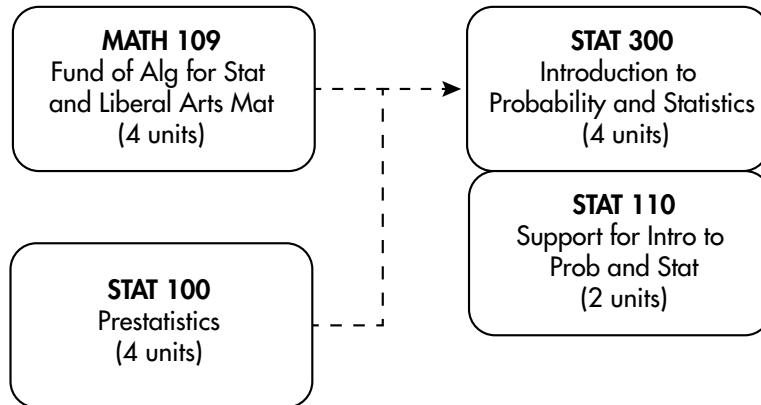
### MATH 109 Fundamentals of Algebra for Liberal Arts Mathematics and Statistics 4 Units

*Prerequisite: MATH 34 with a grade of "C" or better, or placement through the assessment process.*

*Hours: 72 hours LEC*

This course consists of elements of beginning and intermediate algebra needed for STAT 300, MATH 300, or MATH 310. Topics include modeling using expressions, equations, functions, and graphs; polynomial inequalities. Note: This course is not intended for students pursuing business or STEM majors and who plan to take courses in science, computer information science, engineering, mathematics, physics, chemistry, business or economics.

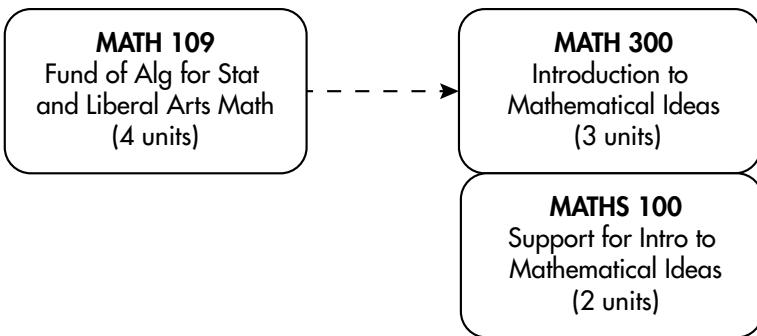
## Pathway for Programs Requiring Statistics or Students Using Statistics to Satisfy General Education Requirements



Some students may be required to take the corequisite support course STAT 110 as part of their STAT 300 placement. Alternatively, these students can take MATH 109 or STAT 100 prior to taking STAT 300 without support.

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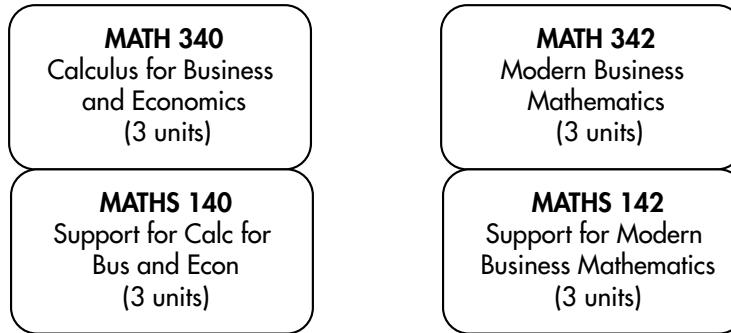
## Pathway for Students Using MATH 300 to Satisfy General Education Requirements



Some students may be required to take the corequisite support course MATHS 100 as part of their MATH 300 placement. Alternatively, these students can take MATH 109 prior to taking MATH 300 without support.

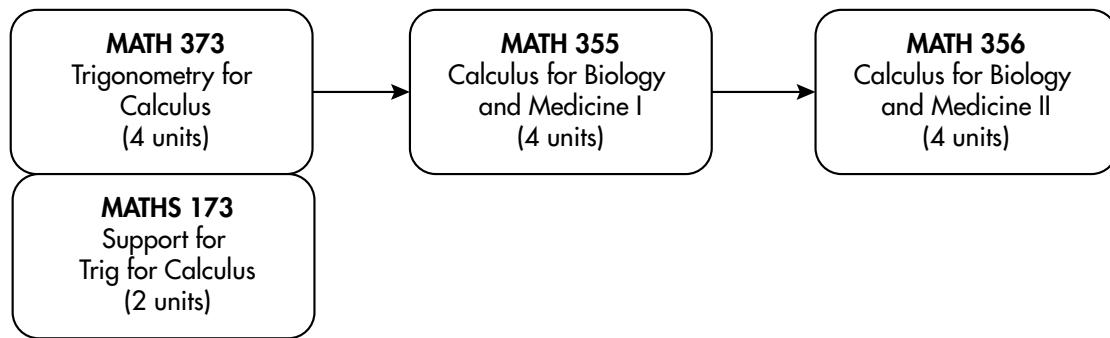
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## Pathways for Students Majoring in Business



Some students may be required to take the corequisite support courses MATHS 140/142 as part of their MATH 340/342 placement. Students that have not successfully completed Algebra II or Integrated Math III in high school will be required to take MATH 120 prior to taking MATH 340/342 (without support).

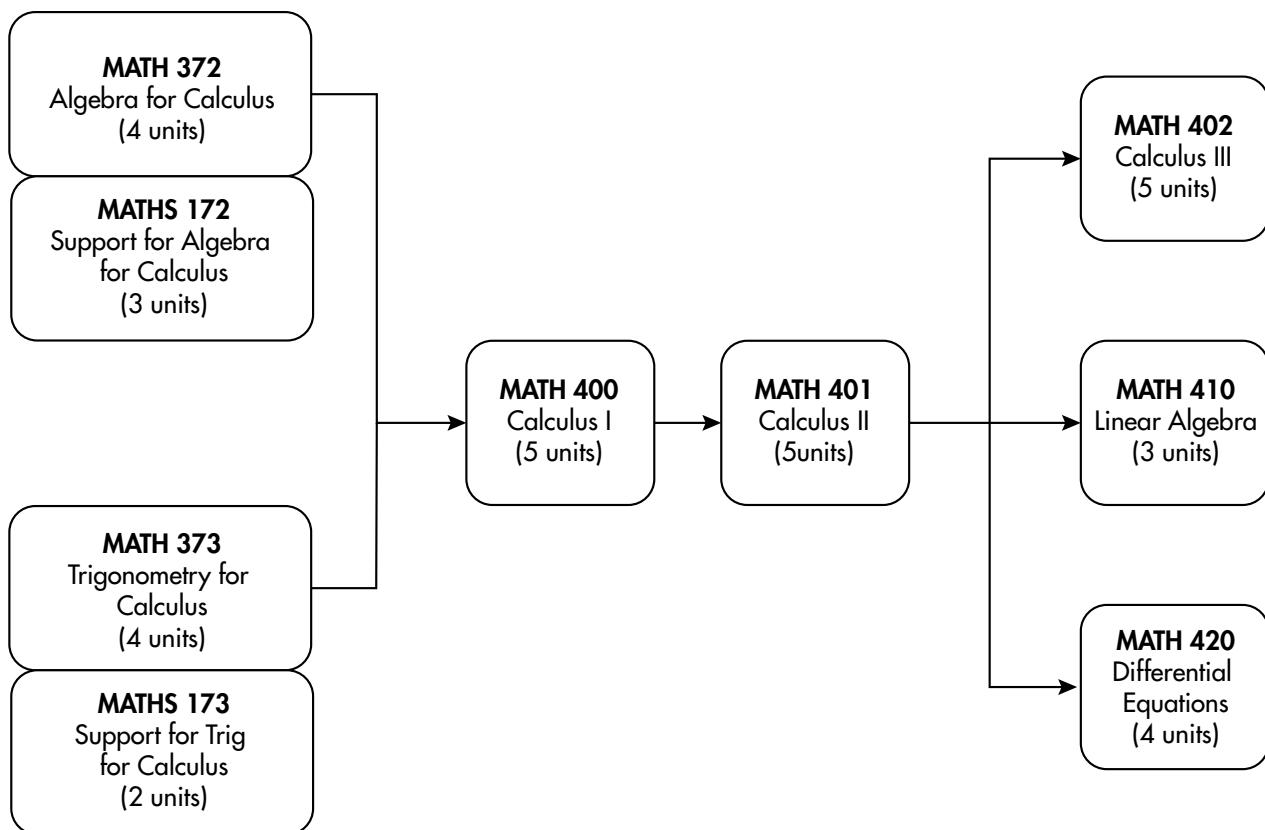
### Pathway for Programs Requiring MATH 355/356



Some students may be required to take the corequisite support course MATHS 173 as part of their MATH 373 placement. Students that have not successfully completed Algebra II or Integrated Math III in high school will be required to take MATH 120 prior to taking MATH 373 (without support).

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### Pathway for Programs Requiring MATH 400



Some students may be required to take the corequisite support courses MATHS 172/173 as part of their MATH 372/373 placement. Students that have not successfully completed Algebra II or Integrated Math III in high school will be required to take MATH 120 prior to taking MATH 372/373 (without support).

<b>MATH 110 Elementary Geometry</b>	<b>5 Units</b>	<b>MATH 134 Prealgebra and Algebra for Statistics Part I</b>	<b>6 Units</b>
<i>Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: MATH 27 or 28 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>General Education: AA/AS Area II(b)</i>		<i>Hours: 108 hours LEC</i>	
<i>Hours: 90 hours LEC</i>		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.	
<b>MATH 120 Intermediate Algebra</b>	<b>5 Units</b>	<b>MATH 135 Prealgebra and Algebra for Statistics Part II</b>	<b>6 Units</b>
<i>Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: MATH 100, 103, or 134 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>General Education: AA/AS Area II(b)</i>		<i>General Education: AA/AS Area II(b)</i>	
<i>Hours: 90 hours LEC</i>		<i>Hours: 108 hours LEC</i>	
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.		This is the first part of a two-course sequence preparing students for a course in Elementary Statistics. This course covers the arithmetic of whole, signed, fractional, mixed, and decimal numbers, linear equations in one variable, lines and linear equations in two variables, systems of equations in two variables, and arithmetic operations on polynomials. This course is not intended as preparation for Trigonometry.	
<b>MATH 121 Intermediate Algebra with Lab</b>	<b>5 Units</b>	<b>MATH 140 Mathematics Competency</b>	<b>4 Units</b>
<i>Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>Hours: 90 hours LEC; 18 hours LAB</i>		<i>General Education: AA/AS Area II(b)</i>	
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. (Competency: Mathematics)		<i>Hours: 72 hours LEC</i>	
<b>MATH 123 Intermediate Algebra, Part I</b>	<b>3 Units</b>	<b>MATH 170 Algebra Review for Calculus</b>	<b>2 Units</b>
<i>Prerequisite: MATH 100 or 104 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: None.</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 36 hours LEC</i>	
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.		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.	
<b>MATH 124 Intermediate Algebra, Part II</b>	<b>3 Units</b>	<b>MATH 295 Independent Studies in Mathematics</b>	<b>1-3 Units</b>
<i>Prerequisite: MATH 123 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area II(b)</i>		<i>Hours: 162 hours LAB</i>	
<i>Hours: 54 hours LEC</i>		This is an independent studies course. The topics are to be arranged between the instructor and the student.	
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.			

<b>MATH 299    Experimental Offering in Mathematics</b>	<b>.5-10 Units</b>	<b>MATH 340    Calculus for Business and Economics</b>	<b>3 Units</b>
Prerequisite: None Hours: 90 hours LEC; 18 hours LAB See Experimental Offering.		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	General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2 Course Transferable to UC/CSU Hours: 54 hours LEC
<b>MATH 300    Introduction to Mathematical Ideas</b>	<b>3 Units</b>		
Prerequisite: MATH 109, 120, 121, 124, or 135 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		The content of this course includes review of the logarithmic and exponential functions, intuitive introduction to limits, and development of the derivative and definite integral. Application of these concepts to economics and business will be emphasized. (C-ID MATH 140; Competency: Mathematics)	
<b>MATH 310    Mathematical Discovery</b>	<b>3 Units</b>	<b>MATH 342    Modern Business Mathematics</b>	<b>3 Units</b>
Prerequisite: MATH 109, MATH 120, MATH 121, MATH 124, or MATH 135 with a grade of "C" or better or placement through the assessment process; AND MATH 110 or two semesters of high school Geometry with grades of "C" or better. General Education: AA/AS Area II(b); CSU Area B4 Course Transferable to UC/CSU Hours: 54 hours LEC		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	General Education: AA/AS Area II(b); CSU Area B4 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. (Competency: Mathematics)		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.	
<b>MATH 330    Mathematical Discovery</b>	<b>3 Units</b>	<b>MATH 350    Calculus for the Life and Social Sciences I</b>	<b>3 Units</b>
Prerequisite: MATH 109, MATH 120, MATH 121, MATH 124, or MATH 135 with a grade of "C" or better or placement through the assessment process; AND MATH 110 or two semesters of high school Geometry with grades of "C" or better. General Education: AA/AS Area II(b); CSU Area B4 Course Transferable to UC/CSU Hours: 54 hours LEC		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	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 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. (Competency: Mathematics)		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.	
<b>MATH 335    Trigonometry with College Algebra</b>	<b>5 Units</b>	<b>MATH 351    Calculus for the Life and Social Sciences II</b>	<b>3 Units</b>
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		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	General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2 Course Transferable to UC/CSU Hours: 54 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. (Competency: Mathematics)		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.	

<b>MATH 352    Calculus for the Life and Social Sciences III</b>	<b>2 Units</b>	<b>MATH 372    College Algebra for Calculus</b>	<b>4 Units</b>
<i>Prerequisite: MATH 351 with a grade of "C" or better or concurrent enrollment in MATH 351</i>		<i>Prerequisite: MATH 120 or 124 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>General Education: AA/AS Area II(b); CSU Area B4</i>		<i>General Education: AA/AS Area II(b)</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC</i>		<i>Hours: 72 hours LEC</i>	
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.		This course provides a rigorous treatment of college-level algebra and its applications, with a particular focus on preparing students for the calculus sequence for Science, Technology, Engineering, and Mathematics (STEM) majors. Topics include polynomial, rational, radical, exponential, absolute value, and logarithmic functions, graphs, and equations; systems of equations; the theory of polynomial equations; analytic geometry including conics; sequences and series; and mathematical induction. Emphasis is given to analytical reasoning and problem-solving. This course may be taken concurrently with MATH 373, Trigonometry for Calculus. Completion of both MATH 372 AND MATH 373 with grades of "C" or better meets the prerequisite for MATH 400, Calculus I.	
<b>MATH 355    Calculus for Biology and Medicine I</b>	<b>4 Units</b>	<b>MATH 373    Trigonometry for Calculus</b>	<b>4 Units</b>
<i>Prerequisite: MATH 373 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: MATH 120 or 124 with a grade of "C" or better, or placement through the assessment process.</i>	
<i>Advisory: MATH 372 with a grade of "C" or better</i>		<i>General Education: AA/AS Area II(b)</i>	
<i>General Education: AA/AS Area II(b)</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to CSU</i>		<i>Hours: 72 hours LEC</i>	
<i>Hours: 72 hours LEC</i>		This course provides a rigorous treatment of trigonometry and its applications, with a particular focus on preparing students for the calculus sequence for Science, Technology, Engineering, and Mathematics (STEM) majors. Topics include right triangle trigonometry, unit circle trigonometry, graphs of trigonometric functions, proofs of trigonometric identities, solving trigonometric equations, applications of trigonometric functions (laws of sines and cosines), inverse trigonometric functions, the polar coordinate system, and vectors. Emphasis is given to analytical reasoning and problem-solving. This course may be taken concurrently with MATH 372, College-Algebra for Calculus. Completion of both MATH 372 AND MATH 373 with grades of "C" or better meets the prerequisite for MATH 400, Calculus I.	
<b>MATH 356    Calculus for Biology and Medicine II</b>	<b>4 Units</b>	<b>MATH 400    Calculus I</b>	<b>5 Units</b>
<i>Prerequisite: MATH 355 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: MATH 372 and MATH 373, or MATH 370 or placement through the assessment process</i>	
<i>General Education: AA/AS Area II(b)</i>		<i>General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 72 hours LEC</i>		<i>Hours: 90 hours LEC</i>	
This course is the continuation of MATH 355. It covers matrix algebra with eigenvalues and eigenvectors, systems of linear equations, functions of several variables, partial derivatives, systems of differential equations, probability, and applications to biology and medicine. This course does not meet the prerequisite for PHYS 410 or PHYS 420.		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. (Competency: Mathematics)	
<b>MATH 370    Pre-Calculus Mathematics</b>	<b>5 Units</b>	<b>MATH 401    Calculus II</b>	<b>5 Units</b>
<i>Prerequisite: MATH 335 with a grade of "C" or better, or placement through the assessment process.</i>		<i>Prerequisite: MATH 400 with a grade of "C" or better</i>	
<i>General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2</i>		<i>General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 90 hours LEC</i>		<i>Hours: 90 hours LEC</i>	
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.		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. (C-ID MATH 220)	

<b>MATH 402    Calculus III</b>	<b>5 Units</b>	<b>MATH 499    Experimental Offering in Mathematics</b>	<b>.5-4 Units</b>
<i>Prerequisite: MATH 401 with a grade of "C" or better</i>		<i>Prerequisite: None</i>	
<i>General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 54 hours LEC</i>	
<i>Hours: 90 hours LEC</i>		<i>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.</i>	
 <b>MATH 410    Introduction to Linear Algebra      3 Units</b>			
<i>Prerequisite: MATH 401 with a grade of "C" or better</i>			
<i>General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LEC</i>			
This course extends the concepts of limits, derivatives, and integrals to vector-valued functions and functions of more than one variable. The topics covered include three-dimensional analytic geometry and vectors, partial derivatives, multiple integrals, line integrals, surface integrals, and the theorems of Green, Gauss (Divergence), and Stokes. Many applications of calculus are included. (Competency: Mathematics)			
 <b>MATH 420    Differential Equations                  4 Units</b>			
<i>Prerequisite: MATH 401 with a grade of "C" or better</i>			
<i>General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 72 hours LEC</i>			
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; Competency: Mathematics)			
 <b>MATH 494    Topics in Mathematics                 .5-4 Units</b>			
<i>Prerequisite: None.</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 72 hours LEC</i>			
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			
 <b>MATH 495    Independent Studies in Mathematics              1-3 Units</b>			
<i>Prerequisite: None.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 162 hours LAB</i>			
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			

The courses below are designed to provide additional support for students taking their first transfer-level mathematics course.

## Mathematics Support (MATHS)

### **MATHS 100 Support for Introduction to Mathematical Ideas      2 Units**

*Prerequisite: None.  
Corequisite: MATH 300  
Hours: 36 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Introduction to Mathematical Ideas. Topics and homework assignments are often connected to the students' assignments in MATH 300. Students who completed this topic as MATHS 299 are not eligible to take this course. This course is graded as Pass/No Pass.

### **MATHS 110 Support for Mathematical Discovery      2 Units**

*Prerequisite: None.  
Corequisite: MATH 310  
Hours: 36 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Mathematical Discovery (MATH 310). Topics and homework assignments are often connected to the students' assignments in MATH 310. This course is graded as Pass/No Pass.

### **MATHS 120 Support for Intermediate Algebra      3 Units**

*Prerequisite: None.  
Corequisite: MATH 120  
Hours: 54 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 120, Intermediate Algebra. Topics and homework assignments are often connected to the students' assignments in MATH 120. Students who completed this topic as MATHS 299 are not eligible to take this course. This course is graded as Pass/No Pass.

### **MATHS 135 Support for Trigonometry with College Algebra      3 Units**

*Prerequisite: None.  
Corequisite: MATH 335  
Hours: 54 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 335: Trigonometry with College Algebra. Topics and homework assignments are often connected to the students' assignments in MATH 335. The course includes applications of the concepts and skills covered. Students who completed this topic as MATHS 299 are not eligible to take this course. This course is graded as Pass/No Pass.

### **MATHS 140 Support for Calculus for Business and Economics      3 Units**

*Prerequisite: None.  
Corequisite: MATH 340  
Hours: 54 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Calculus for Business and Economics (MATH 340). Topics and homework assignments are often connected to the students' assignments in MATH 340. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass. Students who have taken this course as MATHS 299 are not eligible to take this course.

### **MATHS 142 Support for Modern Business Mathematics      3 Units**

*Prerequisite: None.  
Corequisite: MATH 342  
Hours: 54 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Modern Business Mathematics. Topics and homework assignments are often connected to the students' assignments in MATH 342. The course includes applications of the concepts and skills covered. Students who completed this topic as MATHS 299 are not eligible to take this course. This course is graded as Pass/No Pass.

### **MATHS 172 Support for College Algebra for Calculus      3 Units**

*Prerequisite: None.  
Corequisite: MATH 372  
Hours: 54 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 372: College Algebra for Calculus. Topics and homework assignments are often connected to the students' assignments in MATH 372. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass.

### **MATHS 173 Support for Trigonometry for Calculus      2 Units**

*Prerequisite: None.  
Corequisite: MATH 373  
Hours: 36 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 373: Trigonometry for Calculus. Topics and homework assignments are often connected to the students' assignments in MATH 373. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass.

### **MATHS 299 Experimental Offerings in Mathematics Support      .5-4 Units**

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

**Mechanical-Electrical Technology****MET****Degree:****A.S. – Mechanical-Electrical Technology****Certificates of Achievement:**

**Mechanical-Electrical Technology**  
**Mechanical Systems Technician**

**Certificate:**

**Commercial Building Energy Auditing and Commissioning Specialist**

**Commercial Building Energy Auditing and Commissioning Specialist****Certificate****Program Information**

The Commercial Building Energy Auditing and Commissioning Specialist Certificate is designed to meet the high industry demand for the unique skills needed to managing energy and the commissioning of new and existing facilities. The United States Green Building Council has proclaimed commissioning to be mandatory to achieve Leadership in Energy and Environmental Design (LEED) certification. This program will help students meet the Energy and Building Commissioning standards and is designed to help the student learn the information and skills necessary to begin working in the industry. Safety, environmental impact issues, indoor air quality, and equipment maintenance and operation will be emphasized throughout the program.

**Career Opportunities**

Upon completion of the Commercial Building Energy Auditing and Commissioning Specialist Certificate students may find employment in the following industry sectors: government (federal, state, county, and city agencies), health care, utilities, construction, facilities management, engineering, high technology, food production, and manufacturing. Typical job titles include: commercial building commissioning specialist, commercial energy auditor, energy management and efficiency technician, stationary engineer, air conditioning and refrigeration technician, maintenance mechanic, boiler operator, automatic control technician, solar, photovoltaic, wind (renewable and sustainable) energy technician, and wholesale and manufacturer's sales representative.

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

- demonstrate an understanding of the techniques and practices of commissioning controls and mechanical systems that are used in heating, ventilation, air conditioning, pumping, and water treatment.
- apply knowledge of commissioning to better meet entry level and advanced employment standards.
- commission an HVAC mechanical system and a Direct Digital Control (DDC) system.
- demonstrate an understanding of the techniques and practices of measuring and optimizing the energy efficiency of mechanical systems that are used in heating, ventilating, air conditioning, pumping, and water treatment.
- apply knowledge of how to measure and optimize the energy efficiency of mechanical systems to better meet entry level and advanced employment standards.
- evaluate and improve air conditioning problem-solving skills.
- solve air conditioning system problems with the use of industry specific computer applications.

**Division of Advanced Technology**

**Donnetta Webb, Dean**  
**Technology, room 106**  
**916-558-2491**

**Required Program****Units**

MET 391 Mechanical Systems Commissioning .....	2.5
MET 392 Energy Management and Efficiency for HVAC Mechanical Systems.....	2.5
MET 393 Commercial Building Energy Audits and Calculations.....	2.5
MET 396 Air and Water Balance of Mechanical Equipment .....	2.5

**Total Units Required****10****Suggested Semester Sequence****First Semester**

MET 391 Mechanical Systems Commissioning .....	2.5
MET 392 Energy Management and Efficiency for HVAC Mechanical Systems.....	2.5

**Second Semester**

MET 393 Commercial Building Energy Audits and Calculations.....	2.5
MET 396 Air and Water Balance of Mechanical Equipment .....	2.5

Note: This certificate is not noted on student transcripts. Please contact the Mechanical-Electrical Technology Department for further information.

**Mechanical-Electrical Technology****Associate in Science Degree****Certificate of Achievement****Program Information**

The Mechanical-Electrical Technology (MET) program provides instruction in design, installation, operation, repair, and maintenance of a wide range of mechanical and electrical equipment from small residential equipment to large commercial and industrial facilities. The entire spectrum of mechanical and electrical systems is covered including energy management, mechanical system commissioning, indoor air quality, building automation systems, refrigerant recovery and management, electrical controls, pneumatic controls, electronic controls, instrumentation, and heat pumps. These systems include heating, ventilating, air conditioning, and refrigerating (HVAC/R).

Students will learn the theory and fundamentals of mechanical equipment and be exposed to hands-on training in sophisticated training laboratories. Laboratory equipment that students will work with include a water cooled chiller, cooling towers, steam and hot water boilers, thermal energy storage system, heat reclaim system, power management system, packaged and split system air conditioners, furnaces, and high, medium, and low temperature refrigeration systems. Students will also configure, program, and commission several Direct Digital Control (DDC) Systems, pneumatic systems, variable frequency drive (VFD), and programmable logic controllers (PLC), and work directly on the operating systems in the laboratory facility.

The program includes both day and evening lecture and laboratory class sections. Classes are conducted as both lecture and laboratory. Effective writing, verbal communication, electronic communication, sketching, drafting, mechanical calculations, and computer skills are emphasized across the curriculum.

## Recommended High School Preparation

Completion of college preparatory English and general mathematics courses is highly desirable but not required. Courses in drafting, algebra, and computer fundamentals will be beneficial.

## Program Costs

In addition to normal student expenses such as tuition and textbooks, MET students must purchase safety glasses for use in laboratory and shop classes. If this fee creates a financial burden, students should consult the Financial Aid Office for possible assistance.

## 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, commercial air conditioning and refrigeration service/repair, utilities, construction, facilities management, engineering, high technology, food production, and manufacturing. Typical job titles include: stationary engineer, air conditioning and refrigeration technician, maintenance mechanic, boiler operator, automatic control technician, wholesale and manufacturer's sales representative.

## 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>

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

- apply problem-solving and analytical thinking skills in the maintenance, operation, testing, troubleshooting, and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- utilize tools and equipment in the maintenance, operation, testing, troubleshooting, and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- demonstrate an understanding of the requirements of the Federal Refrigerant Transition and Recovery Certification license examination.
- recognize the importance of proper handling of refrigerants and the environmental impact of improper refrigerant management.
- operate and troubleshoot both a water boiler and low pressure steam boiler system, pumping and piping systems, and related heating equipment.
- design a heating-cooling system for a residential and commercial application from concept to finish.
- explain the operation of chilled water systems, air distribution, variable air volume systems, thermal storage, cooling towers, and energy management.
- explain the concepts related to absorption air conditioning systems, helical-rotary, and centrifugal water chillers.
- demonstrate an understanding of electrical circuits and controls.
- design an electrical control schematic and troubleshoot various electrical equipment.
- utilize freehand sketching and drafting skills for use in field applications.
- demonstrate an understanding of the different types, applications, and proper use of instruments to measure and record temperature, humidity, flow, light, sound, velocity, pressure, combustion emissions, air quality, voltage, level, force, and vibration.
- analyze complex systems of the automatic controls industries.
- design and program Variable Frequency Drives, Programmable Logic Control systems, Direct Digital Control systems, and Pneumatic Control systems.
- explain the theory and demonstrate practical skill sets required of an entry level Building Automation Systems Technician.
- analyze manufacturer's data of equipment performance and economic factors related to heating, cooling, and refrigeration equipment, and estimate the cost of a refrigeration system installation including materials, labor, and profit.
- solve problems involving heat transfer, heating and cooling loads, air distribution, and psychometrics of air.

- evaluate and determine the need for periodic equipment maintenance and demonstrate an understanding of a maintenance contract.

## 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 368 Heat Pump Operation and Maintenance.....	3
MET 371 Heating and Power Machinery.....	3
MET 372 Power Machinery, Heating and Air Conditioning Calculations .....	3
MET 373 Piping, Electrical, and Sheet Metal Drafting .....	3
MET 374 Automatic Control Systems I.....	3
MET 381 Air Conditioning .....	3
MET 383 Instrumentation.....	3
MET 384 Automatic Control Systems II.....	3

## Total Units 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 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 255 Mechanical Systems Maintenance.....	1.5
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

### 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 provides entry level instruction in design, installation, repair, and maintenance of a wide range of mechanical and electrical equipment from small residential equipment to light commercial buildings. The entry level skills covered included fundamental mechanical and electrical systems including indoor air quality, refrigerant recovery and management, electrical controls, and heat pumps.

Students will learn the theory and fundamentals of mechanical equipment and be exposed to hands-on training in sophisticated training laboratories. Laboratory equipment that students will work with includes high, medium, and low temperature refrigeration systems and electrical systems.

The program includes both day and evening lecture and laboratory class sections. Classes are conducted as both lecture and laboratory. Effective writing, verbal communication, electronic communication, mechanical calculations, and computer skills are emphasized across the curriculum.

#### Recommended High School Preparation

Completion of college preparatory English and general mathematics courses is highly desirable but not required. Courses in drafting, algebra, and computer fundamentals will be beneficial.

#### Program Costs

In addition to normal student expenses such as tuition and textbooks, MET students must purchase safety glasses for use in laboratory and shop classes. If this fee creates a financial burden, students should consult the Financial Aid Office for possible assistance.

#### 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, and demonstrate an understanding of a maintenance contract
- apply problem-solving and analytical thinking skills in the maintenance, operation, testing, troubleshooting and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- utilize tools and equipment in the maintenance, operation, testing, troubleshooting and repair of heating, cooling, and refrigeration systems, accessories, and controls.
- demonstrate an understanding of the industry required Federal Refrigerant Transition and Recovery Certification license examination.
- recognize and demonstrate the importance of proper handling of refrigerants and the environmental impact of improper refrigerant management.
- explain the basic concepts of electrical circuits and control theory.
- design an electrical control schematic and troubleshoot various electrical equipment.
- utilize freehand sketching and drafting skills for field applications.

- analyze manufacturer's data of equipment performance and economic factors related to heating, cooling, and refrigeration equipment.
- solve problems involving heating-cooling loads, heat transfer, air distribution, and psychometrics of air.

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
<b>Total Units Required</b>	<b>23</b>

#### 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 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 255 Mechanical Systems Maintenance.....	1.5
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.

<b>MET 255</b>	<b>Mechanical Systems Maintenance</b>	<b>1.5 Units</b>	<b>MET 351</b>	<b>Basic Mechanical Systems</b>	<b>5 Units</b>
				<i>Prerequisite: MET 351 with a grade of "C" or better</i>	
	<i>Hours: 27 hours LEC</i>			<i>Advisory: MET 256, MET 257 and MET 352 with a grade of "C" or better or concurrent enrollment in MET 256, MET 257 and MET 352.</i>	
	This course introduces the student to maintenance concepts for basic mechanical systems. Units of instruction include coil maintenance, filter management, indoor air quality, lubrication, belts and drives, verifying operation, monitoring equipment, and maintenance contracts. Students will need to have access to a computer and the Internet and have some familiarity with a computer.			<i>Course Transferable to CSU</i>	
<b>MET 256</b>	<b>Fundamentals of Instruments and Electricity</b>	<b>1.5 Units</b>	<b>MET 352</b>	<b>Mechanical Systems Calculations</b>	<b>3 Units</b>
				<i>Prerequisite: MET 250 with a grade of "C" or better</i>	
	<i>Advisory: MET 257, MET 351 and MET 352 with a grade of "C" or better or concurrent enrollment in MET 257, MET 351 and MET 352.</i>			<i>Advisory: MET 256, MET 257 and MET 351 with a grade of "C" or better or concurrent enrollment in MET 256, MET 257 and MET 351.</i>	
	<i>Hours: 27 hours LEC</i>			<i>General Education: AA/AS Area II(b)</i>	
	This course introduces the student to the fundamentals of electrical instruments and concepts required in commercial and industrial practice. Units of instruction include: fundamentals of electricity, Ohms law, use of voltmeters, ammeters, ohmmeters, series and parallel circuits, wiring diagrams, and electromagnetic theory. Students will need to have access to a computer and the Internet and have some familiarity with a computer.			<i>Course Transferable to CSU</i>	
<b>MET 257</b>	<b>Fundamentals of Workplace Success</b>	<b>1.5 Units</b>	<b>MET 361</b>	<b>Refrigeration Systems</b>	<b>3 Units</b>
				<i>Prerequisite: MET 250 with a grade of "C" or better</i>	
	<i>Advisory: MET 256, MET 351 and MET 352 with a grade of "C" or better or concurrent enrollment in MET 256, MET 351 and MET 352.</i>			<i>Advisory: MET 352 with a grade of "C" or better. Concurrent enrollment in MET 362, MET 363, and MET 364.</i>	
	<i>Hours: 27 hours LEC</i>			<i>Course Transferable to CSU</i>	
	This course provides the student with basic workplace skills needed to enter the workforce as a machinery systems technician. Units of instruction include teamwork, ethics, diversity, communication skills, writing e-mail messages, Internet websites, conflict resolution, critical thinking, problem solving, conflict resolution, career management, sexual harassment, and drug and alcohol use. Students will need to have access to a computer and the Internet and have some familiarity with a computer.			<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<b>MET 294</b>	<b>Topics in Mechanical-Electrical Technology</b>	<b>.5-4 Units</b>	<b>MET 362</b>	<b>Industrial Refrigeration</b>	<b>3 Units</b>
				<i>Prerequisite: MET 351 with a grade of "C" or better</i>	
	<i>Prerequisite: None.</i>			<i>Advisory: MET 352 with a grade of "C" or better. Concurrent enrollment in MET 362, MET 363, and MET 364.</i>	
	<i>Hours: 18 hours LEC; 243 hours LAB</i>			<i>Course Transferable to CSU</i>	
	This is an individualized course developed in cooperation with industry to meet specialized training needs.			<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<b>MET 295</b>	<b>Independent Studies in Mechanical – Electrical Technology</b>	<b>1-3 Units</b>	<b>MET 363</b>	<b>Commercial Refrigeration</b>	<b>3 Units</b>
				<i>Prerequisite: MET 351 with a grade of "C" or better</i>	
	<i>Prerequisite: None.</i>			<i>Advisory: MET 352 with a grade of "C" or better. Concurrent enrollment in MET 362, MET 363, and MET 364.</i>	
	<i>Hours: 162 hours LAB</i>			<i>Course Transferable to CSU</i>	
	This course is designed to provide student's additional on-hands experience in the Mechanical Electrical Technology related disciplines. To be eligible for independent study, students must be currently enrolled in at least one Mechanical-Electrical Technology course. They must also discuss the study with a professor in this subject and secure approval.			<i>Hours: 36 hours LEC; 54 hours LAB</i>	

<b>MET 362</b>	<b>Refrigeration Systems Calculations</b>	<b>3 Units</b>	<b>MET 371</b>	<b>Heating and Power Machinery</b>	<b>3 Units</b>
<i>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.</i>	<i>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.</i>		<i>Course Transferable to CSU</i>	<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<i>This course focuses on mathematical problems involving English and metric (SI) units concerned with installation, operations, and maintenance of commercial and industrial refrigeration systems. Emphasis will be placed on basic heat transfer, loads, piping, equipment performance, and economic factors. Students will need to have access to a computer and the Internet and have some familiarity with a computer.</i>	<i>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.</i>				
<b>MET 363</b>	<b>Refrigerant Transition and Recovery Processes and Procedures</b>	<b>1.5 Units</b>	<b>MET 372</b>	<b>Power Machinery, Heating and Air Conditioning Calculations</b>	<b>3 Units</b>
<i>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.</i>	<i>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.</i>		<i>Course Transferable to CSU</i>	<i>Hours: 54 hours LEC</i>	
<i>Course Transferable to CSU Hours: 27 hours LEC</i>	<i>This course focuses on the recovery and recycling of existing refrigerants, the transition to environmentally safe refrigerants, and the preparation for certification testing in refrigerant handling as mandated by the Clean Air Act, 40 CFR, part 82, subpart F and regulated by the Environmental Protection Agency (EPA). Students will need to have access to a computer and the Internet and have some familiarity with a computer.</i>				
<b>MET 364</b>	<b>Electrical Controls</b>	<b>3 Units</b>	<b>MET 373</b>	<b>Piping, Electrical, and Sheet Metal Drafting</b>	<b>3 Units</b>
<i>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.</i>	<i>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.</i>		<i>Course Transferable to CSU</i>	<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<i>Course Transferable to CSU Hours: 36 hours LEC; 54 hours LAB</i>	<i>This course provides instruction in power and control circuits and devices used with refrigeration, heating, cooling, and pumping mechanical systems. Units of instruction include a study of electron theory, magnetism, induction, alternating current, direct current, resistance, and capacitance. Students will practice using electrical meters and test instruments in the laboratory. Electrical safety practices will also be covered. Students will need to have access to a computer and the Internet and have some familiarity with a computer.</i>				
<b>MET 368</b>	<b>Heat Pump Operation and Maintenance</b>	<b>3 Units</b>	<b>MET 374</b>	<b>Automatic Control Systems I</b>	<b>3 Units</b>
<i>Prerequisite: MET 256, 351, and 352 with grades of "C" or better Course Transferable to CSU Hours: 54 hours LEC</i>	<i>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.</i>		<i>Course Transferable to CSU</i>	<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<i>This course provides instruction in basic refrigeration and heat pump theory, cooling and heating cycles, defrost cycles, controls, supplemental heat, flow control devices, and heat load calculations. Students will need to have access to a computer and the Internet and have some familiarity with a computer.</i>	<i>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.</i>				

<b>MET 378</b>	<b>Geothermal Heat Pump Operation and Maintenance</b>	<b>3 Units</b>	<b>MET 384</b>	<b>Automatic Control Systems II</b>	<b>3 Units</b>
Prerequisite: MET 256, 351, and 352 with grades of "C" or better		Prerequisite: MET 371 and 374 with grades of "C" or better			
Course Transferable to CSU		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.			
Hours: 54 hours LEC		Course Transferable to CSU			
This course provides instruction in basic geothermal heat pump theory, cooling and heating cycles, load calculations, cost analysis, open and closed water loop systems, system diagnostics, and solar applications. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.		Hours: 36 hours LEC; 54 hours LAB			
<b>MET 381</b>	<b>Air Conditioning</b>	<b>3 Units</b>	<b>MET 391</b>	<b>Mechanical Systems Commissioning</b>	<b>2.5 Units</b>
Prerequisite: MET 371 and 372 with grades of "C" or better		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 382, MET 383, and MET 384 with a grade of "C" or better or concurrent enrollment in MET 382, MET 383, and MET 384.		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		Course Transferable to CSU			
Hours: 36 hours LEC; 54 hours LAB		Hours: 36 hours LEC; 27 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.		This course focuses on the techniques and practices of commissioning controls and mechanical systems that are used in heating, ventilation, air conditioning, pumping, renewable and sustainable energy, and water treatment. Units of instruction include energy conservation; developing and implementing a comprehensive commissioning plan; inspection and testing of control systems; mechanical equipment, and field devices and user interfaces to ensure that they are installed, programmed, and operated precisely as the design intends. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.			
<b>MET 382</b>	<b>Air Conditioning Systems Calculations</b>	<b>3 Units</b>	<b>MET 392</b>	<b>Energy Management and Efficiency for HVAC Mechanical Systems</b>	<b>2.5 Units</b>
Prerequisite: MET 372 with a grade of "C" or better		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 381, MET 383, and MET 384 with a grade of "C" or better or concurrent enrollment in MET 381, MET 383, and MET 384.		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		Course Transferable to CSU			
Hours: 54 hours LEC		Hours: 36 hours LEC; 27 hours LAB			
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.		The course focuses on the theory, techniques, and practices of optimizing the energy efficiency of mechanical systems that are used in heating, ventilating, cooling, pumping, and water treatment. Students will review the concepts and principles of the design of commercial heating, ventilating, and air conditioning (HVAC) systems and direct digital controls (DDC). This course will introduce the economics of operating electrical and mechanical equipment, methods of acquiring HVAC equipment performance data through the use of portable data loggers and DDC control systems and using that data to improve operations and reduce energy consumption. Discussions will include current industry practices for energy conservation, utility rate schedules and rebate programs, overview of California Energy Code and LEED — Leadership in Energy and Environmental Design, and the U. S. Green Building Council rating system. Components of this course may be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.			
<b>MET 383</b>	<b>Instrumentation</b>	<b>3 Units</b>			
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.					

<b>MET 393</b>	<b>Commercial Building Energy Audits and Calculations</b>	<b>2.5 Units</b>	<b>MET 499</b>	<b>Experimental Offering in Mechanical-Electrical Technology</b>	<b>.5-4 Units</b>
<i>Prerequisite:</i> MET 392 with a grade of "C" or better			<i>Prerequisite:</i> None		
<i>Advisory:</i> MET 391 and MET 396 with a grade of "C" or better or concurrent enrollment in MET 391 and MET 396.			<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i> 54 hours LEC; 54 hours LAB		
<i>Hours:</i> 36 hours LEC; 27 hours LAB			<i>See Experimental Offering</i>		
This course focuses on the theory, techniques, and practices of analyzing all aspects of large commercial building operations and correlating a building envelope's interaction with the mechanical systems. Students will perform a detailed energy audit of a state-of-the-art commercial building design using energy modeling simulation software and develop energy conservation strategies, such as thermal storage, that can be applied to heating, cooling, and ventilating equipment to reduce utility bills. Students will apply supporting analytical data to develop operations and maintenance changes designed to improve energy efficiency and reduce operating cost. Components of this course will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.					
<b>MET 395</b>	<b>Water Treatment for Heating and Air Conditioning Equipment</b>	<b>3 Units</b>			
<i>Prerequisite:</i> MET 381 and 383 with grades of "C" or better					
<i>Advisory:</i> MET 391, and MET 396 with a grade of "C" or better or concurrent enrollment in MET 391, and MET 396.					
<i>Course Transferable to CSU</i>					
<i>Hours:</i> 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.					
<b>MET 396</b>	<b>Air and Water Balance of Mechanical Equipment</b>	<b>2.5 Units</b>			
<i>Prerequisite:</i> MET 381, 383, and 384 with grades of "C" or better; or four years of field experience in commercial HVAC design, installation, repair, or operation.					
<i>Advisory:</i> MET 391 and MET 392 with a grade of "C" or better or concurrent enrollment in MET 391 and MET 392.					
<i>Course Transferable to CSU</i>					
<i>Hours:</i> 36 hours LEC; 27 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 will be offered online. Students will need to have access to a computer and the Internet and have some familiarity with a computer.					
<b>MET 495</b>	<b>Independent Studies in Mechanical-Electrical Technology</b>	<b>1-3 Units</b>			
<i>Prerequisite:</i> None.					
<i>Course Transferable to CSU</i>					
<i>Hours:</i> 162 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.					

## 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

## 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.

### Commercial Music, 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 and multi-media, post-production audio specialists in corporate audio-visual departments and owner/engineers of 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.

### Division of Humanities and Fine Arts

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

**MUFHL – Music Fundamentals/History and Literature**  
**MUP – Music Performance**  
**MUIVI – Instrumental/Voice Instruction**  
**MUSM – Specializations in Music**

### Required Program

	Units
MUFHL 309 Introduction to American Popular Music.....	3
MUFHL 320 Exploring Music .....	3
MUSM 110 The Business of Music .....	3
MUSM 306 Live Sound Reinforcement.....	3
MUSM 342 Recording Studio Techniques I (3).....	3
MUSM 344 Recording Studio Techniques II .....	3
MUSM 350 Recording Studio Techniques III .....	3
MUSM 356 Pro Tools 101, Introduction to Pro Tools .....	1.5
MUSM 357 Pro Tools 110 Intermediate Pro Tools .....	1.5
MUSM 362 Mixing and Mastering Music Projects.....	3
MUSM 366 Pro Tools 201, Advanced Pro Tools (1.5).....	1.5
MUSM 367 Audio for Video Post Production.....	3

A minimum of 5.5 units from the following: ..... 5.5

MUFHL 305 Music Appreciation (3)
MUFHL 310 Survey of Music History and Literature (Greek Antiquity to 1750) (3)
or 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)
or MUFHL 311 Survey of Music History and Literature (1750 to the present) (3)
MUFHL 315 Jazz History (3)
MUIVI 345 Beginning Piano I (1 – 2)
MUSM 115 The Development and Management of an Independent Record Label (3)
MUSM 330 Introduction to MIDI: Musical Instrument Digital Interface (2.5)
MUSM 331 Intermediate MIDI: Musical Instrument Digital Interface (2.5)

### Total Units Required

37

### 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.

## Commercial Music, 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 Principles of Management .....	3
MUFHL 309 Introduction to American Popular Music.....	3
MUSM 110 The Business of Music .....	3
MUSM 115 The Development and Management of an Independent Record Label .....	3
MUSM 116 Legal Aspects Of The Music Industry .....	3

A minimum of 12 units from the following: ..... 12

Select at least one course from each group.

#### Business Management

- ACCT 101 Fundamentals of College Accounting (3)
- CISA 305 Beginning Word Processing (2)
- CISA 340 Presentation Graphics (2)
- MGMT 308 Personnel and Human Resources Management (3)
- TA 440 Arts Management (3)

#### 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.

## Commercial Music, 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 and Musicianship I .....	4
MUFHL 401 Music Theory and Musicianship II .....	4
MUIVI 345 Beginning Piano I .....	1 – 2
MUIVI 380 Improvisation Workshop I .....	2
MUIVI 410 Applied Music .....	1
MUSM 110 The Business of Music .....	3
MUSM 330 Introduction to MIDI: Musical Instrument .....	2.5
Digital Interface	
MUSM 331 Intermediate MIDI: Musical Instrument .....	2.5
Digital Interface	
MUSM 342 Recording Studio Techniques I .....	3
A minimum of 1 unit from the following: .....	1
MUP 325 Jazz Band (2)	
MUP 335 Concert Band (1)	
MUP 340 Symphonic Band (2)	
MUP 355 College Choir (2)	
MUP 406 Vocal Ensemble (2)	
MUP 424 Commercial Music Ensemble (2)	

A minimum of 5 units from the following: .....

MUFHL 310 Survey of Music History and Literature (Greek

Antiquity to 1750) (3)

MUFHL 311 Survey of Music History and Literature (1750 to the present) (3)

MUFHL 321 Basic Musicianship (3)

MUFHL 330 World Music (3)

MUFHL 410 Music Theory and Musicianship III (4)

MUFHL 411 Music Theory and Musicianship IV (4)

MUFHL 430 Commercial Harmony and Arranging I (2)

MUFHL 431 Commercial Harmony and Arranging II (2)

MUIVI 315 Beginning Voice (1 – 2)

MUIVI 325 Intermediate Voice (2)

MUIVI 330 Advanced Voice (2)	
MUIVI 335 Mentorship & Vocal Repertoire (2)	
MUIVI 355 Intermediate Piano I (1 – 2)	
MUIVI 356 Intermediate Piano II (1 – 2)	
MUIVI 365 Popular Piano Styles I (1)	
MUSM 320 Contemporary Songwriting (3)	
MUSM 321 Contemporary Songwriting (3)	
MUSM 344 Recording Studio Techniques II (3)	
MUSM 350 Recording Studio Techniques III (3)	
<b>Total Units Required</b>	<b>35-36</b>

**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.

**Commercial Music, 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 and Musicianship I .....	4
MUFHL 401 Music Theory and Musicianship II .....	4
MUIVI 345 Beginning Piano I .....	1 – 2
MUSM 110 The Business of Music .....	3
MUSM 320 Contemporary Songwriting .....	3
MUSM 321 Contemporary Songwriting .....	3
MUSM 330 Introduction to MIDI: Musical Instrument .....	2.5
Digital Interface	
MUSM 331 Intermediate MIDI: Musical Instrument .....	2.5
Digital Interface.....	
MUSM 342 Recording Studio Techniques I .....	3
A minimum of 5 units from the following: .....	5
ENGW 400 Creative Writing (3)	
ENGLT 303 Introduction to the Short Story (3)	
MUFHL 305 Music Appreciation (3)	
MUFHL 310 Survey of Music History and Literature (Greek Antiquity to 1750) (3)	

**MUFHL 311 Survey of Music History and Literature**

(1750 to the present) (3)

**MUFHL 315 Jazz History (3)****MUFHL 321 Basic Musicianship (3)****MUFHL 330 World Music (3)****MUFHL 410 Advanced Music Theory III (4)****MUFHL 411 Advanced Music Theory IV (4)****MUFHL 430 Commercial Harmony and Arranging I (2)****MUFHL 431 Commercial Harmony and Arranging II (2)****MUP 424 Commercial Music Ensemble (2)****MUSM 344 Recording Studio Techniques II (3)****MUSM 350 Recording Studio Techniques III (3)****Total Units 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.

**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 310 Survey of Music History and Literature (Greek Antiquity to 1750) (3) .....	3
or MUFHL 481 Survey of Music History and Literature (Greek Antiquity to 1750) – Honors (3)	
MUFHL 311 Survey of Music History and Literature (1750 to the present) (3) .....	3
or MUFHL 482 Survey of Music History and Literature (1750 to the present) – Honors (3)	
MUFHL 400 Music Theory and Musicianship I.....	4
MUFHL 401 Music Theory and Musicianship II .....	4
MUFHL 410 Music Theory and Musicianship III .....	4
MUFHL 411 Music Theory and Musicianship IV .....	4
MUIVI 345 Beginning Piano I .....	1 – 2
MUIVI 346 Beginning Piano II .....	1 – 2
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 356 Advanced College Choir (2)	
MUP 370 Rehearsal and Performance – Musical Ensemble (0.5 – 3)	
MUP 406 Vocal Ensemble (2)	
MUP 407 Advanced Vocal Ensemble (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 335 Mentorship & Vocal Repertoire (2)	
MUIVI 355 Intermediate Piano I (1 – 2)	
MUIVI 356 Intermediate Piano II (1 – 2)	
MUIVI 357 Advanced Piano I (1 – 2)	
MUIVI 358 Advanced Piano II (1 – 2)	
MUIVI 370 Beginning Guitar (2)	
MUIVI 371 Intermediate Guitar (2)	
MUIVI 373 Popular Electric Bass Styles I (1)	
MUIVI 375 Popular Electric Guitar Styles I (1)	
MUIVI 405 Jazz & Pop Styles on Drum Set I (1)	
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)	
<b>Total Units Required</b>	<b>36-38</b>

#### 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.



Associate Degree  
for Transfer  
*A Degree with a Guarantee.*

## 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) Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### Career Opportunities

Individuals with four-year degrees in music may be placed in the K-12 educational field, perform in professional music ensembles, direct religious or community music groups, instruct music privately, compose music for media and publishing, become music therapists, or become administrators for music organizations. Advanced degrees in music may lead to careers as educators at the college or university level, performers, music directors, or music editors and journalists.

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

- analyze musical compositions and scores.
- understand the elements of music: melody, rhythm, harmony, and form.
- apply the elements of music to performance and analysis.
- perform music at a level appropriate to the area of specialization.
- critically analyze music performances, whether personal or performed by other musicians.

Required Program	Units
MUFHL 400 Music Theory and Musicianship I .....	4
MUFHL 401 Music Theory and Musicianship II .....	4
MUFHL 410 Music Theory and Musicianship III .....	4
MUFHL 411 Music Theory and Musicianship IV .....	4
A minimum of 2 units from the following:	2
MUIVI 410 Applied Music (1)	
A minimum of 4 units from the following:	4
MUP 325 Jazz Band (2)	
MUP 335 Concert Band (1)	
MUP 355 College Choir (2)	
MUP 356 Advanced College Choir (2)	
MUP 406 Vocal Ensemble (2)	
MUP 407 Advanced Vocal Ensemble (2)	
MUP 424 Commercial Music Ensemble (2)	
<b>Total Units Required</b>	<b>22</b>

#### 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)

<b>MUFHL 309 Introduction to American Popular Music</b>	<b>3 Units</b>	<b>MUFHL 320 Exploring Music</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better</i>		<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process.</i>	
<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>		<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
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.		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. (C-ID MUS 110)	
<b>MUFHL 310 Survey of Music History and Literature (Greek Antiquity to 1750)</b>	<b>3 Units</b>	<b>MUFHL 321 Basic Musicianship</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process.</i>		<i>Course Transferable to UC/CSU</i>	
<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>		<i>Hours: 54 hours LEC</i>	
<i>Course Transferable to UC/CSU</i>		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.	
<i>Hours: 54 hours LEC</i>			
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.			
<b>MUFHL 311 Survey of Music History and Literature (1750 to the present)</b>	<b>3 Units</b>	<b>MUFHL 330 World Music</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process.</i>		<i>Advisory: ENGWR 101 and ESLW 320 with grades of "C" or better</i>	
<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>		<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; IGETC Area 3A</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
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.		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.	
<b>MUFHL 315 Jazz History</b>	<b>3 Units</b>	<b>MUFHL 400 Music Theory and Musicianship I</b>	<b>4 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better</i>		<i>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.</i>	
<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>		<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>	
<i>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.</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 72 hours LEC; 18 hours LAB</i>	
<i>Hours: 54 hours LEC</i>		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. (C-ID MUS 120)	
This course introduces students to the rich history of jazz and related styles including blues, New Orleans and Chicago Dixieland, big band, bebop, cool jazz, jazz-rock fusion, avant-garde, popular jazz, Latin jazz, and many others. The emphasis of the course is on listening to music. The course also explores past and current trends in the relationship of jazz to popular styles such as rhythm and blues, hip-hop, funk, and others. Current and historical cultural influences from African-, European – and Latin-American sources and their effect on jazz styles are identified and compared.			

<b>MUFHL 401 Music Theory and Musicianship II</b>	<b>4 Units</b>	<b>MUFHL 481 Survey of Music History and Literature (Greek Antiquity to 1750) – Honors</b>	<b>3 Units</b>
<i>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</i>		<i>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</i>	
This course is a study of intermediate level harmony, part writing, and small forms in classical and commercial music. It includes the continued development of keyboard, dictation, and sight-singing skills. Short composition assignments are also included. (C-ID MUS 130)		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.	
<b>MUFHL 410 Music Theory and Musicianship III</b>	<b>4 Units</b>	<b>MUFHL 482 Survey of Music History and Literature (1750 to the present) – Honors</b>	<b>3 Units</b>
<i>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</i>		<i>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</i>	
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. (C-ID MUS 140)		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.	
<b>MUFHL 411 Music Theory and Musicianship IV</b>	<b>4 Units</b>	<b>MUFHL 495 Independent Studies in Music Fundamentals/History and Literature</b>	<b>1-3 Units</b>
<i>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</i>		<i>Prerequisite: None. Course Transferable to CSU Hours: 162 hours LAB</i>	
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)		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.	
<b>MUFHL 430 Commercial Harmony and Arranging I</b>	<b>2 Units</b>		
<i>Prerequisite: None. Advisory: MUFHL 401 with a grade of "C" or better Course Transferable to CSU Hours: 36 hours LEC</i>			
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.			
<b>MUFHL 431 Commercial Harmony and Arranging II</b>	<b>2 Units</b>		
<i>Prerequisite: MUFHL 430 with a grade of "C" or better Course Transferable to CSU Hours: 36 hours LEC</i>			
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.			

<b>MUFHL 499 Experimental Offering in Music Fundamentals/History and Literature</b>	.5-4 Units	<b>MUIVI 345 Beginning Piano I</b>	1-2 Units
<i>Course Family: Traditional Piano Fundamentals</i>		<i>Course Family: Traditional Piano Fundamentals</i>	
<i>Prerequisite: None</i>		<i>Prerequisite: None</i>	
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of C or better.</i>			
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 54 hours LEC; 36 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
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.		This course is an introduction to basic piano playing and is required for all general and commercial music majors. The course prepares the transferring student for a piano placement examination. A minimum of two hours a week outside practice is required for the two-unit option.	
<b>Music Instrumental/Voice Instruction (MUIVI)</b>			
<b>MUIVI 315 Beginning Voice</b>	1-2 Units	<b>MUIVI 346 Beginning Piano II</b>	1-2 Units
<i>Course Family: Traditional Voice Fundamentals</i>		<i>Course Family: Traditional Piano Fundamentals</i>	
<i>Prerequisite: None.</i>		<i>Prerequisite: MUIVI 345 with a grade of "C" or better</i>	
<i>Advisory: MUFHL 321 with a grade of "C" or better.</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
<i>Hours: 18 hours LEC; 54 hours LAB</i>		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.	
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.			
<b>MUIVI 325 Intermediate Voice</b>	2 Units	<b>MUIVI 355 Intermediate Piano I</b>	1-2 Units
<i>Course Family: Traditional Voice Fundamentals</i>		<i>Course Family: Traditional Piano Technique and Repertoire</i>	
<i>Prerequisite: MUIVI 315 with a grade of "C" or better</i>		<i>Prerequisite: MUIVI 346 with a grade of "C" or better</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 36 hours LEC; 18 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
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.		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.	
<b>MUIVI 330 Advanced Voice</b>	2 Units	<b>MUIVI 356 Intermediate Piano II</b>	1-2 Units
<i>Course Family: Traditional Voice Technique and Repertoire</i>		<i>Course Family: Traditional Piano Technique and Repertoire</i>	
<i>Prerequisite: MUIVI 325 with a grade of "C" or better</i>		<i>Prerequisite: MUIVI 355 with a grade of "C" or better</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 36 hours LEC; 18 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
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.		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.	
<b>MUIVI 335 Mentorship &amp; Vocal Repertoire</b>	2 Units	<b>MUIVI 357 Advanced Piano I</b>	1-2 Units
<i>Course Family: Traditional Voice Technique and Repertoire</i>		<i>Course Family: Traditional Piano Technique and Repertoire</i>	
<i>Prerequisite: None.</i>		<i>Prerequisite: MUIVI 356 with a grade of "C" or better</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 36 hours LEC; 18 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
This course is designed for the student who wants to continue their vocal studies through a fourth semester. Students who are in this course study with a qualified voice teacher, create a vocal resume, perform in two department vocal recitals, and develop skills in mentoring and tutoring beginning voice students. This course provides students the opportunity to study, rehearse, and perform vocal repertoire that meets the minimum standards to audition into the vocal performance degree program for the CSU system or to other universities with a similar audition requirements.		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.	
<b>MUIVI 335 Mentorship &amp; Vocal Repertoire</b>	2 Units	<b>MUIVI 358 Advanced Piano II</b>	1-2 Units
<i>Course Family: Traditional Voice Technique and Repertoire</i>		<i>Course Family: Traditional Piano Technique and Repertoire</i>	
<i>Prerequisite: None.</i>		<i>Prerequisite: MUIVI 357 with a grade of "C" or better</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 36 hours LEC; 18 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
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.			

<b>MUIVI 365    Popular Piano Styles I</b>	<b>1 Unit</b>	<b>MUIVI 372    Advanced Guitar</b>	<b>2 Units</b>
<i>Course Family: Popular Piano</i>		<i>Course Family: Traditional Guitar and Bass</i>	
<i>Prerequisite: MUIVI 355 with a grade of "C" or better or by demonstrating equivalent skills.</i>		<i>Prerequisite: MUIVI 371 with a grade of "C" or better; or equivalent experience.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Advisory: MUFHL 321 with a grade of "C" or better.</i>	
<i>Hours: 18 hours LEC; 18 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
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.		<i>Hours: 36 hours LEC; 18 hours LAB</i>	
<b>MUIVI 366    Popular Piano Styles II</b>	<b>1 Unit</b>	<b>MUIVI 373    Popular Electric Bass Styles I</b>	<b>1 Unit</b>
<i>Course Family: Popular Piano</i>		<i>Course Family: Popular Guitar and Bass</i>	
<i>Prerequisite: MUIVI 365 with a grade of "C" or better; or by demonstrating equivalent skills</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 18 hours LEC; 18 hours LAB</i>		<i>Hours: 18 hours LEC; 18 hours LAB</i>	
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.		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.	
<b>MUIVI 367    Popular Piano Styles III</b>	<b>1 Unit</b>	<b>MUIVI 374    Popular Electric Bass Styles II</b>	<b>1 Unit</b>
<i>Course Family: Popular Piano</i>		<i>Course Family: Popular Guitar and Bass</i>	
<i>Prerequisite: MUIVI 366 with a grade of "C" or better; or by demonstrating equivalent skills</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 18 hours LEC; 18 hours LAB</i>		<i>Hours: 12 hours LEC; 18 hours LAB</i>	
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.		This course is an introduction to the elements of contemporary electric bass styles, including swing, blues, funk, Latin, reggae, and fusion.	
<b>MUIVI 368    Popular Piano Styles IV</b>	<b>1 Unit</b>	<b>MUIVI 375    Popular Electric Guitar Styles I</b>	<b>1 Unit</b>
<i>Course Family: Popular Piano</i>		<i>Course Family: Popular Guitar and Bass</i>	
<i>Prerequisite: MUIVI 367 with a grade of "C" or better; or by demonstrating equivalent skills</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Advisory: MUIVI 370 with a grade of "C" or better.</i>	
<i>Hours: 18 hours LEC; 18 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
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.		<i>Hours: 12 hours LEC; 18 hours LAB</i>	
<b>MUIVI 370    Beginning Guitar</b>	<b>2 Units</b>	<b>MUIVI 377    Popular Electric Guitar Styles II</b>	<b>1 Unit</b>
<i>Course Family: Traditional Guitar and Bass</i>		<i>Course Family: Popular Guitar and Bass</i>	
<i>Prerequisite: None.</i>		<i>Prerequisite: MUIVI 375 with a grade of "C" or better; or by demonstrating equivalent skills</i>	
<i>Course Transferable to UC/CSU</i>		<i>Advisory: MUIVI 370 with a grade of "C" or better.</i>	
<i>Hours: 36 hours LEC; 18 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
This is a beginning-level course designed to familiarize students with the techniques and repertoire of the guitar. Students learn to play the instrument through the use of technical exercises and reading music notation. Simple chord progressions with both strumming and finger-style techniques will be covered.		<i>Hours: 12 hours LEC; 18 hours LAB</i>	
<b>MUIVI 371    Intermediate Guitar</b>	<b>2 Units</b>	<b>MUIVI 377    Popular Electric Guitar Styles II</b>	<b>1 Unit</b>
<i>Course Family: Traditional Guitar and Bass</i>		<i>Course Family: Popular Guitar and Bass</i>	
<i>Prerequisite: MUIVI 370 with a grade of "C" or better</i>		<i>Prerequisite: MUIVI 375 with a grade of "C" or better; or by demonstrating equivalent skills</i>	
<i>Course Transferable to UC/CSU</i>		<i>Advisory: MUIVI 370 with a grade of "C" or better.</i>	
<i>Hours: 36 hours LEC; 18 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
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.		<i>Hours: 12 hours LEC; 18 hours LAB</i>	
		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.	

<b>MUIVI 378    Popular Electric Guitar Styles III    1 Unit</b>	<b>MUIVI 383    Improvisation Workshop IV    2 Units</b>
<p><i>Course Family: Popular Guitar and Bass</i>  <i>Prerequisite: MUIVI 377 with a grade of "C" or better; or by demonstrating equivalent skills</i>  <i>Advisory: MUIVI 370 with a grade of "C" or better.</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 12 hours LEC; 18 hours LAB</i>  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.</p>	<p><i>Course Family: Jazz Instrumental</i>  <i>Prerequisite: MUIVI 382 with a grade of "C" or better</i>  <i>General Education: CSU Area C1</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 27 hours LEC; 27 hours LAB</i>  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.</p>
<b>MUIVI 379    Popular Electric Guitar Styles IV    1 Unit</b>	<b>MUIVI 405    Jazz &amp; Pop Styles on Drum Set I    1 Unit</b>
<p><i>Course Family: Popular Guitar and Bass</i>  <i>Prerequisite: MUIVI 378 with a grade of "C" or better; or by demonstrating equivalent skills</i>  <i>Advisory: MUIVI 370 with a grade of "C" or better.</i>  <i>Course Transferable to CSU</i>  <i>Hours: 12 hours LEC; 18 hours LAB</i>  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.</p>	<p><i>Course Family: Popular Instrumental</i>  <i>Prerequisite: None.</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 12 hours LEC; 18 hours LAB</i>  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.</p>
<b>MUIVI 380    Improvisation Workshop I    2 Units</b>	<b>MUIVI 406    Jazz &amp; Pop Styles on Drum Set II    1 Unit</b>
<p><i>Course Family: Jazz Instrumental</i>  <i>Prerequisite: None.</i>  <i>General Education: CSU Area C1</i>  <i>Enrollment Limitation: Ability to play a musical instrument.</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 27 hours LEC; 27 hours LAB</i>  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.</p>	<p><i>Course Family: Popular Instrumental</i>  <i>Prerequisite: None.</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 12 hours LEC; 18 hours LAB</i>  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.</p>
<b>MUIVI 381    Improvisation Workshop II    2 Units</b>	<b>MUIVI 410    Applied Music    1 Unit</b>
<p><i>Course Family: Jazz Instrumental</i>  <i>Prerequisite: MUIVI 380 with a grade of "C" or better</i>  <i>General Education: CSU Area C1</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 27 hours LEC; 27 hours LAB</i>  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.</p>	<p><i>Prerequisite: None.</i>  <i>Enrollment Limitation: Entrance audition by faculty jury.</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 18 hours LEC</i>  This course involves instrumental compositional, or vocal study of the appropriate techniques and repertoire for a specific instrument of voice being studied. It focuses on the progressive development of rehearsal and performance skills needed to be a solo performer. This course meets one hour per week on campus for students to practice performing and to discuss topics related to performance practice. It includes seven hours of individual study, sixteen hours of on-campus practice, in-class performances, and a final juried recital. This course may be repeated to meet the major requirement for transfer to CSU, Sacramento, or to other universities with a similar transfer requirement and may be taken four times for credit. (C-ID MUS 160)</p>
<b>MUIVI 382    Improvisation Workshop III    2 Units</b>	<b>MUIVI 441    Brass Instruction    1-2 Units</b>
<p><i>Course Family: Jazz Instrumental</i>  <i>Prerequisite: MUIVI 381 with a grade of "C" or better</i>  <i>General Education: CSU Area C1</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 27 hours LEC; 27 hours LAB</i>  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.</p>	<p><i>Prerequisite: None.</i>  <i>Enrollment Limitation: Ability to play a brass instrument based on the instructor's evaluation.</i>  <i>Course Transferable to UC/CSU</i>  <i>Hours: 18 hours LEC; 54 hours LAB</i>  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.</p>

<b>MUIVI 443 String Instruction</b>	<b>1-2 Units</b>	<b>MUIVI 454 Indian Classical Fusion Improvisation</b>	<b>1 Unit</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Enrollment Limitation: Ability to play a string instrument (violin, viola, cello, or double-bass), based on the instructor's evaluation</i>		<i>Enrollment Limitation: Ability to sing or to play any musical instrument. Students must provide their own musical instruments.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 18 hours LEC; 54 hours LAB</i>		<i>Hours: 12 hours LEC; 18 hours LAB</i>	
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.		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.	
<b>MUIVI 445 Woodwind Instruction</b>	<b>1-2 Units</b>	<b>MUIVI 495 Independent Studies in Music Instrumental/Voice Instruction</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Enrollment Limitation: Ability to play a woodwind instrument (flute, oboe, clarinet, bassoon, or saxophone), based on the instructor's evaluation</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 162 hours LAB</i>	
<i>Hours: 18 hours LEC; 54 hours LAB</i>		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.	
<b>MUIVI 447 Percussion Instruction</b>	<b>1-2 Units</b>	<b>MUIVI 499 Experimental Offering in Music Instrumental/Voice Instruction</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None</i>	
<i>Enrollment Limitation: Ability to play percussion instruments, based on the instructor's evaluation</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 54 hours LEC; 36 hours LAB</i>	
<i>Hours: 18 hours LEC; 54 hours LAB</i>		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.	
<b>MUIVI 450 Popular Fiddle and Mandolin Instruction</b>	<b>1 Unit</b>	<b>MUP 325 Jazz Band</b>	<b>2 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Enrollment Limitation: The ability to play the fiddle or mandolin at the intermediate level.</i>		<i>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.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 12 hours LEC; 18 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
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.		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. (C-ID MUS 180)	
<b>MUIVI 452 World Drumming</b>	<b>1 Unit</b>	<b>Music Performance (MUP)</b>	
<i>Prerequisite: None.</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 12 hours LEC; 18 hours LAB</i>			
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.			

<b>MUP 326 Advanced Jazz Band</b>	<b>2 Units</b>	<b>MUP 406 Vocal Ensemble</b>	<b>2 Units</b>
<i>Prerequisite: MUP 325 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Enrollment Limitation: Audition required. The audition includes sight singing, the preparation of a musical excerpt, and an aural skills assessment. Auditions generally occur the first week of class and will be evaluated by the instructor.</i>	
<i>Hours: 18 hours LEC; 54 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
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.		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
<b>MUP 335 Concert Band</b>	<b>1 Unit</b>	<b>MUP 407 Advanced Vocal Ensemble</b>	<b>2 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: MUP 406 with a grade of "C" or better</i>	
<i>Enrollment Limitation: Ability to play an instrument commonly found in a concert band and read musical notation</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
<i>Hours: 54 hours LAB</i>		This is an advanced course for the rehearsal and performance of vocal ensemble music and is designed for the student who has choral experience and the ability to read music notation. Students learn the inner workings of ensemble singing through studying, rehearsing, and performing small ensemble choral literature. The ensemble will represent Sacramento City College through on and off campus performances, festivals, and workshops. This course may be taken up to four times for credit.	
<b>MUP 340 Symphonic Band</b>	<b>2 Units</b>	<b>MUP 422 Special Ensemble Participation .5-2 Units</b>	
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>General Education: CSU Area C1</i>		<i>Enrollment Limitation: Students should have the ability to play a musical instrument.</i>	
<i>Enrollment Limitation: Ability to play an instrument commonly found in a symphonic band and read musical notation</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 108 hours LAB</i>	
<i>Hours: 18 hours LEC; 54 hours LAB</i>		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.	
<b>MUP 355 College Choir</b>	<b>2 Units</b>	<b>MUP 424 Commercial Music Ensemble</b>	<b>2 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>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.</i>		<i>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.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 18 hours LEC; 54 hours LAB</i>		<i>Hours: 18 hours LEC; 54 hours LAB</i>	
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. (C-ID MUS 180)		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)	
<b>MUP 356 Advanced College Choir</b>	<b>2 Units</b>	<b>MUP 426 World Music Ensemble</b>	<b>1 Unit</b>
<i>Prerequisite: MUP 355 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to CSU</i>		<i>Enrollment Limitation: Ability to play an instrument</i>	
<i>Hours: 18 hours LEC; 54 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
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. (C-ID MUS 180)		<i>Hours: 18 hours LEC; 18 hours LAB</i>	
		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 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 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: None.**Advisory: ENGWR 51 with a grade of "C" or better**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, for both mobile and fixed installations. Students will develop skills in operating mixing consoles, speaker placement, microphone techniques, room equalization, reverb, delay, and other effects (gate/compressor/limiters etc.). Students will learn practical techniques for getting the best concert sound.

**MUSM 315 Careers in Music 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.

<b>MUSM 322    Introduction to Film Music</b>	<b>3 Units</b>	<b>MUSM 344    Recording Studio Techniques II    3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: MUSM 306 or 342 with a grade of "C" or better</i>
<i>Advisory: MUHFL 401 with a grade of "C" or better.</i>		<i>General Education: CSU Area C1</i>
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>
<i>Hours: 54 hours LEC</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>
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.		This lecture and “hands-on” lab class builds on topics covered in MUSM 342 and MUSM 306. It uses 24-track recording techniques utilizing the Otari MX-80 and Pro Tools HDX. Students will use the Audient 8024 mixing console for audio routing and Pro Tools control. Basic, as well as advanced, microphone techniques, acoustics, recording studio design, mixing, monitoring, and audio measurement are covered. Students have the opportunity to engineer live studio recording sessions during class.
<b>MUSM 330    Introduction to MIDI: Musical Instrument Digital Interface</b>	<b>2.5 Units</b>	<b>MUSM 350    Recording Studio Techniques III    3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: MUSM 344 and 356 with grades of "C" or better</i>
<i>Advisory: MUFHL 320 or MUIVI 345 with a grade "C" or better.</i>		<i>Course Transferable to CSU</i>
<i>Course Transferable to CSU</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>
<i>Hours: 36 hours LEC; 36 hours LAB</i>		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 HDX system and D-Command Worksurface and the Audient 8024-HE 24 track analog console and MX-80 recorder reproducer.
<b>MUSM 331    Intermediate MIDI: Musical Instrument Digital Interface</b>	<b>2.5 Units</b>	<b>MUSM 356    Pro Tools 101, Introduction to Pro Tools</b>
<i>Prerequisite: MUSM 330 with a grade of "C" or better</i>		<i>1.5 Units</i>
<i>Course Transferable to CSU</i>		<i>Prerequisite: MUSM 306 or 342 with a grade of "C" or better</i>
<i>Hours: 36 hours LEC; 36 hours LAB</i>		<i>Corequisite: MUSM 344</i>
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.		<i>Course Transferable to CSU</i>
<i>Hours: 27 hours LEC</i>		<i>Hours: 27 hours LEC</i>
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. Students learn how to record, edit, and mix music and MIDI within the Pro Tools application.		
<b>MUSM 336    Music Project Studio</b>	<b>1 Unit</b>	<b>MUSM 357    Pro Tools 110 Intermediate Pro Tools</b>
<i>Prerequisite: MUSM 331 with a grade of "C" or better</i>		<i>1.5 Units</i>
<i>Course Transferable to CSU</i>		<i>Prerequisite: MUSM 342 and 356 with grades of "C" or better</i>
<i>Hours: 54 hours LAB</i>		<i>Corequisite: MUSM 344</i>
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.		<i>Course Transferable to CSU</i>
<i>Hours: 27 hours LEC</i>		<i>Hours: 27 hours LEC</i>
This course offers intermediate level instruction in the skills needed to operate Avid's Pro Tools digital audio workstation hardware and software applications. This course trains students in recording, editing and mixing audio, and MIDI within the Pro Tools environment. It is conducted in the Music Department's Mac computer lab.		
<b>MUSM 342    Recording Studio Techniques I</b>	<b>3 Units</b>	<b>MUSM 358    Pro Tools for Game Audio</b>
<i>Prerequisite: None.</i>		<i>1.5 Units</i>
<i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better or placement through the assessment process.</i>		<i>Prerequisite: MUSM 356 and 357 with grades of "C" or better</i>
<i>General Education: CSU Area C1</i>		<i>Course Transferable to CSU</i>
<i>Course Transferable to CSU</i>		<i>Hours: 27 hours LEC</i>
<i>Hours: 54 hours LEC</i>		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.
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.		

<b>MUSM 361 Advanced Studio Sessions</b>	<b>3 Units</b>	<b>MUSM 494 Topics in Music Specializations</b>	<b>.5-4 Units</b>
<i>Prerequisite: MUSM 350 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC; 54 hours LAB</i>		<i>Hours: 72 hours LEC</i>	
This course focuses on expanding the skills mastered in MUSM 350 by offering studio recording sessions that are entirely student planned, organized, and completed. Students plan, organize, record, edit, mix, and master complex studio projects on either analog tape or Pro Tools HDX.		This course provides the ability to take a course in music that covers topics that are not part of the regular curriculum. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.	
<b>MUSM 362 Mixing and Mastering Music Projects</b>	<b>3 Units</b>	<b>MUSM 495 Independent Studies in Music Specializations</b>	<b>1-3 Units</b>
<i>Prerequisite: MUSM 350, 356, and 357 with grades of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC; 54 hours LAB</i>		<i>Hours: 162 hours LAB</i>	
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.		This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Music Specializations offers students a chance to do research that is more typical of students in advanced audio production, song-writing, arranging, or music business courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.	
<b>MUSM 366 Pro Tools 201, Advanced Pro Tools</b>	<b>1.5 Units</b>	<b>MUSM 498 Work Experience in Music Specializations</b>	<b>1-4 Units</b>
<i>Prerequisite: MUSM 357 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Corequisite: MUSM 350</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to CSU</i>		<i>Hours: 18 hours LEC; 300 hours LAB</i>	
<i>Hours: 18 hours LEC; 27 hours LAB</i>		This course provides a supervised work experience in a professional music industry job setting. Students may be assigned work such as the following: recording studio session assistant, post production assistant, assistant sound designer, studio front office worker, business agent/manager assistant in training, arranger/songwriter/performer, assistantships and in other areas such as live sound production, music therapy, music retail, instrument repair, studio equipment repair, music education, etc. In addition, the student is required to fulfill 18 hours lecture and 75 hours of related, paid work experience or 60 hours of volunteer work experience for one unit; 75 or 60 hours of related work experience for each additional unit. The program allows the student to combine practical, paid or non-paid work experience with college training. The course may be taken up to four times when there is new or expanded learning on the job for up to 16 units.	
<b>MUSM 367 Audio for Video Post Production</b>	<b>3 Units</b>	<b>MUSM 499 Experimental Offering in Music Specializations in Music</b>	<b>.5-4 Units</b>
<i>Prerequisite: MUSM 356 and 357 with grades of "C" or better</i>		<i>Prerequisite: None</i>	
<i>Corequisite: MUSM 350</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to CSU</i>		<i>Hours: 54 hours LEC; 36 hours LAB</i>	
<i>Hours: 36 hours LEC; 54 hours LAB</i>		See Experimental Offering	
In this course students learn post production, the art and science of adding sound to picture for television, feature films, and commercials. Students work in the Pro Tools digital audio workstation environment. Sound Design, Foley, and mixing skills will be demonstrated.			
<b>MUSM 368 Advanced Audio Lab – Independent Project</b>	<b>1 Unit</b>		
<i>Prerequisite: MUSM 366 with a grade of "C" or better</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 54 hours LAB</i>			
This is a lab course for students who have completed MUSM 366 – Pro Tools 201, Advanced Pro Tools, and who want to work on a creative project independently. A typical project could include completing a demo recording utilizing the audio resources at the college. Students would work independently but confer with faculty during the course of the project and present their final work at the end of the semester for critique and evaluation.			

## Nursing, Registered NURSE

### Degree:

A.S. – Nursing, Registered

## 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 American Heart Association Health Provider CPR with Automated External Defibrillator (AED) card. The nursing program is a full-time rigorous course of study. In order to ensure academic success and to protect students' health, full time employment is not advisable. It is recommended that students who must continue outside employment reduce their hours to 8-12 hours or less per week.

Nursing courses must be taken in sequence. Informational meetings are held several times each semester to provide prospective students with information about program prerequisites, enrollment process, and other requirements in the program. For details call (916) 558-2345 or visit the SCC website at <https://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](http://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 in Science Degree. The LVN to RN Transition option does lead to an Associate in Science Degree in Nursing. This LVN must meet all the program requirements of the generic program. After successfully completing NURSE 307, they transition into the second year of the Registered Nursing Program. A third option is completion of the entire generic associate degree nursing program and all enrollment requirements.

A Diploma RN graduate of a hospital school of nursing who is currently licensed in California may earn an Associate in Science Degree. This Registered Nurse will need to complete requirements for an Associate in Science Degree and fulfill a residency requirement by completing at least 12 units at Sacramento City College.

Transfer students must present evidence of comparable theory and clinical practice courses. Transfer students are admitted on a space available basis.

#### Division of Science and Allied Health

James Collins, Dean  
South Gym, room 220  
916-558-2271

Those students seeking enrollment, re-entry, or transfer should visit the Sacramento City College Nursing website at <https://www.scc.losrios.edu/nursing/> or call the Science and Allied Health Division office at 916-558-2345.

#### Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Application and acceptance into the Associate in Science Degree Registered Nursing Program at Sacramento City College.
- BIOL 430, BIOL 431, and BIOL 440 with grades of "C" or better and a cumulative GPA of 3.0 or better.
- PSYC 300 or PSYC 480; ENGWR 300 or ENGWR 488; COMM 301 or COMM 331; SOC 321 or SOC 482 or ANTH 310 or ANTH 481 with grades of "C" or better and a cumulative GPA of 2.5 or better. In-progress grades will not be accepted for prerequisite courses.
- It is strongly recommended that students complete all general education requirements (Area I-VI) and competency requirements (reading, writing, and mathematics) prior to application to the program.
- Completion of the latest edition of the Test of Essential Academic Skills (TEAS), developed by the Assessment Technologies Institute, LLC (ATI). A minimum composite score is necessary to be eligible for application to the program. Additional information is available from the SCC Nursing website at <https://www.scc.losrios.edu/nursing/>.

#### 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 <https://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 <https://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.

<b>Required Program</b>	<b>Units</b>
ANTH 310 Cultural Anthropology (3) .....	3
or ANTH 481 Honors Cultural Anthropology (3)	
or SOC 321 Race, Ethnicity and Inequality in the United States (3)	
or SOC 482 Race, Ethnicity and Inequality in the United States – Honors (3)	
BIOL 430 Anatomy and Physiology.....	5
BIOL 431 Anatomy and Physiology.....	5
BIOL 440 General Microbiology .....	4
COMM 301 Introduction to Public Speaking (3).....	3
or COMM 331 Group Discussion (3)	
ENGWR 300 College Composition (3).....	3 – 4
or ENGWR 488 Honors College Composition and Research (4)	
PSYC 300 General Principles (3) .....	3
or PSYC 480 Honors General Principles (3)	
NURSE 407 Fundamentals of Health and Nursing Care.....	12
NURSE 417 Nursing and Health Maintenance Through the Lifecycle .....	12
NURSE 427 Nursing Complex Health Problems Through the Life Cycle .....	12
NURSE 437 Nursing in Complex and Multiple Patient Care .....	12
<b>Total Program Units</b>	<b>74-75</b>

#### **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 5 Units (Associate Degree Nursing) Transition**

*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 hours LEC; 216 hours 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.

**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 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 patients to meet their needs for risk reduction and optimal wellness in preventative, restorative, or rehabilitative settings. The sub-concepts integrated throughout the course include safety, human development, nutrition, sexuality, cultural and spiritual diversity, pathophysiology, pharmacology, and legal/ethical principles. Course emphasis is on mental health and psychopathology, medical surgical content, end-of-life care, and evaluation of patient-centered outcomes. Learning experiences in the classroom, simulation lab, and clinical setting provide students the opportunity to utilize critical thinking, evidence-based practice, technology, teamwork, collaboration, clinical decision-making, and interdisciplinary communication principles in the delivery of quality nursing care.

**NURSE 437 Nursing in Complex and Multiple Patient Care 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****South Gym, room 220****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, 51-unit program, the student is eligible to apply for the National Licensing Examination to qualify as a Licensed Vocational Nurse. Students enrolled in this program are required to complete nursing courses with related clinical experiences. The program issues a certificate upon completion and prepares the graduate for employment. With completion of additional requirements, an Associate in Science Degree may be achieved. In addition to regular expenses such as enrollment fees, living costs, activity fees, and books, nursing students have the expense of uniforms, equipment, malpractice insurance, graduation, and licensing costs. They are also responsible for their physical examination, immunizations, background check, and drug screen, as well as transportation to and from clinical agencies for day and evening learning experiences. All students must have a current American Heart Association Health Care Provider CPR with Automated External Defibrillator (AED).

Students with a conviction record will be required to disclose this information to the State Board of Vocational Nursing and Psychiatric Technicians (BVNPT). The board reviews individual circumstances on a case-by-case basis to determine whether a person is qualified to be licensed as a Vocational Nurse. For further information consult the BVNPT website at <https://www.bvnpt.ca.gov/enforcement/>.

The nursing program is a full-time rigorous course of study. In order to ensure academic success and to protect students' health, full time employment is not advisable. It is recommended that students who must continue outside employment reduce their hours to 8-12 hours or less per week. Informational meetings are held several times each semester and provide prospective students with information on program prerequisites, enrollment process, and other facts about the program. For information call (916) 558-2271 or visit the SCC web site at <https://www.scc.losrios.edu/nursing/nursing-vocational/>.

Recommended high school preparation: classes in biology, mathematics, and English.

**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, correctional facilities, home health, and extended care facilities to provide basic patient care to clients of all ages under the supervision and direction of physicians or registered nurses. The specific procedures performed vary greatly depending on the work setting.

**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>

**Enrollment Eligibility**

To be eligible for enrollment in the program, the student must meet the following criteria:

- Complete program application and submit by due date to be considered for acceptance into the program
- 12th grade or equivalent as granted by the California State Department of Education
- BIOL 100 with a grade of "B" or better; or BIOL 430 and BIOL 431 with grades of "B" or better
- AH 110, FCS 324, NUTRI 300 or NUTRI 480, and PSYC 300 or PSYC 480 with a grade of "C" or better and a cumulative GPA of 2.5 in these four (4) courses
- ENGRD 11 for applicants who do not have an Associate Degree or higher
- In-progress grades will not be accepted for prerequisite courses. Courses taken for credit/no credit (C/NC) will be calculated into GPA's as a "C" grade.
- It is highly recommended that the student take a medical dosage calculation class prior to beginning the program.
- A grade of 75% or better is mandatory in each required course for progression in the vocational nursing program. If the clinical performance is "unsatisfactory," the semester grade will be "F" regardless of achievement in theory.
- Completion of the Test of Essential Academic Skills (TEAS), latest version, developed by the Assessment Technologies Institute, LLC (ATI). A minimum composite score is necessary to be eligible for application to the program. Additional information is available from the SCC Nursing website at <https://www.scc.losrios.edu/nursing/>
- Admission, Reentry or Transfer: please see SCC Vocational Nursing website at <https://www.scc.losrios.edu/nursing/nursing-vocational/>

**Enrollment Process**

Eligible students are selected for the program according to the following steps:

- A Los Rios Community College District student identification number is required to access the online application. Enrollment eligibility consists of successful completion of prerequisite courses in order to qualify for the random selection pool from which a class is selected. Students must reapply each semester. There is no waiting list.
- Successful completion of the online application, along with all supporting documents as stipulated on the online page, must be submitted to the Science and Allied Health Division by the posted due date. Please see the nursing website at <https://www.scc.losrios.edu/nursing/nursing-vocational/> for information about the enrollment eligibility, re-entry, and transfer.
- Students accepted into the program will be required to undergo a criminal background check and a drug screen prior to their clinical laboratory experience.
- NOTE: Vocational Nursing courses must be taken in sequence.

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

- utilize the nursing process within organized health care systems to help patients with common illnesses meet their basic human needs through direct patient care services.
- provide individualized nursing measures to assist patients in need of rehabilitation, including lifestyle changes in the hospital, home, or in the community.

- apply established standards of care, critical thinking skills, and scientific knowledge when performing nursing functions or procedures.
- maintain therapeutic communication essential to the achievement of health related patient and/or organizational goals.
- demonstrate the ability to accurately report and document patient assessments, interventions, changes in patient status, and outcomes of care in the written and electronic medical record (EMR)
- act as a patient advocate and teacher in assisting patients and families to prevent illness and maintain their optimum level of functioning and health.
- organize care for a group of patients and participate in providing direction for personnel with less preparation or experiences in other than acute care settings.
- apply knowledge of cultural patterns, beliefs, and practices in providing culturally sensitive competent care.
- assume responsibility for his/her own professional development and function with accountability within the legal boundaries of LVN practice.

<b>Required Program</b>	<b>Units</b>
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
<b>Subtotal Units</b>	<b>36</b>
<b>Prerequisite Courses</b>	<b>Units</b>
AH 110 Medical Language for Health-Care Providers.....	3
BIOL 100 Introduction to Concepts of Human Anatomy and Physiology (3) – 10 or [ BIOL 430 Anatomy and Physiology (5) and BIOL 431 Anatomy and Physiology (5) ]	
FCS 324 Human Development: A Life Span (3) ..... or PSYC 370 Human Development: A Life Span (3)	3
NUTRI 300 Nutrition (3) .....	3
or NUTRI 480 Nutrition Honors (3)	
PSYC 300 General Principles (3) .....	3
or PSYC 480 Honors General Principles (3)	
<b>Prerequisite Courses Units</b>	<b>15-22</b>
<b>Total Units Required</b>	<b>51-58</b>

#### **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 Registered 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 America Heart Association CPR with Automated External Defibrillator (AED) card. The nursing program is a full-time rigorous course of study. In order to ensure academic success and to protect students' health, full time employment is not advisable. It is recommended that students who must continue outside employment reduce their hours to 8-12 hours or less per week.

A 75% passing grade is mandatory in theory and clinical of each nursing course for progression in the program.

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](http://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.
- LIBR 307 is recommended

#### **Enrollment Process**

Eligible students are selected for the program according to the following steps:

- Contact the Nursing department at 916-558-2345 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.

<b>Required Program</b>	<b>Units</b>
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
<b>Total Units Required</b>	<b>29</b>

### 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)

<b>VN 120</b>	<b>Meeting Adult Basic Health Needs</b>	<b>12 Units</b>
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*Prerequisite: See Enrollment Limitations*

*Enrollment Limitation: BIOL 100 with a grade of "B" or better; or BIOL 430 and BIOL 431 with grade of "B" or better; AH 110, FCS 324, NUTRI 300 or NUTRI 480, and PSYC 300 or PSYC 480 with a grade of "C" or better and a cumulative GPA of 2.5 in these four (4) courses. ENGRD 11 with a grade of "C" or better if applicant does not have an AA Degree or higher; and, acceptance into the Vocational Nursing Program.*

*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.

<b>VN 130</b>	<b>Meeting Health Needs of All Age Groups</b>	<b>12 Units</b>
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*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.

<b>VN 140</b>	<b>Meeting Complex Adult Health Needs</b>	<b>12 Units</b>
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*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.

<b>VN 150</b>	<b>Intravenous Therapy and Blood Withdrawal</b>	<b>1.5 Units</b>
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*Prerequisite: VN 130 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.

<b>VN 299</b>	<b>Experimental Offering in Vocational Nursing</b>	<b>.5-4 Units</b>
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*Prerequisite: None*

*Hours: 90 hours LEC*

*See Experimental Offerings*

**Nutrition and Foods****NUTRI****Degree:****A.S. – Nutrition****A.S.-T – Nutrition and Dietetics for Transfer****Division of Behavioral and Social Sciences****Kasey Gardner, Dean****Rodda Hall North, room 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:**

- explain the principles of nutrition and their effects on health.
- assess the various sources of nutrition information and demonstrate where to find reliable nutrition information.
- analyze a diet for adequacy, balance, and moderation.
- demonstrate an understanding of the relationships between chemistry, biology, and nutrition.

**Required Program****Units**

CHEM 400 General Chemistry (5) ..... or CHEM 305 Introduction to Chemistry (5) or CHEM 309 Integrated General, Organic, and Biological Chemistry (5)	5
NUTRI 300 Nutrition (3) ..... or NUTRI 480 Nutrition Honors (3)	3
STAT 300 Introduction to Probability and Statistics (4) ..... or STAT 480 Introduction to Probability and Statistics – Honors (4)	4
<b>Subtotal Units</b>	<b>12</b>

**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****Suggested Electives**

KINES 418; NUTRI 302, 310, 330

**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 and Dietetics**

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)
<b>Total: 15 units</b>	<b>Total: 15 units</b>	<b>Total: 16 units</b>	<b>Total: 15 units</b>
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)
<b>Total: 16 units</b>	<b>Total: 15 units</b>	<b>Total: 13 units</b>	<b>Total: 17 units</b>



## Associate in Science for Transfer

### Program Information

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) degree in Nutrition and Dietetics at Sacramento City College allows students interested in pursuing a degree in Nutrition and Dietetics to complete their first two years of requirements at the community college before transferring to a California State University, which offers a Bachelor of Science degree.

Each California State University may have slightly different requirements for transfer so it is critical for students interested in this major to work with their counselor to develop an individual academic plan.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

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

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

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

- explain the principles of nutrition and their effects on health.
- assess the various sources of nutrition information and demonstrate where to find reliable nutrition information.
- analyze a diet for adequacy, balance, and moderation.
- demonstrate an understanding of the relationships between chemistry, biology, and nutrition.

<b>Required Program</b>	<b>Units</b>
BIOL 440 General Microbiology .....	4
CHEM 400 General Chemistry I .....	5
CHEM 401 General Chemistry II .....	5
CHEM 420 Organic Chemistry I .....	5
NUTRI 300 Nutrition (3) .....	3
or NUTRI 480 Nutrition Honors (3)	
PSYC 300 General Principles (3) .....	3
or PSYC 480 Honors General Principles (3)	
A minimum of 4 units from the following: .....	4
BIOL 430 Anatomy and Physiology (5) and BIOL 431 Anatomy and Physiology (5)	
STAT 300 Introduction to Probability and Statistics (4) or STAT 480 Introduction to Probability and Statistics – Honors (4)	
A minimum of 3 units from the following: .....	3
ANTH 310 Cultural Anthropology (3) or ANTH 480 Honors Biological Anthropology (3)	
BIOL 350 Environmental Biology (3)	
COMM 301 Introduction to Public Speaking (3)	
KINES 300 Introduction to Kinesiology (3) NUTRI 302 Nutrition for Physical Performance (3) or KINES 418 Nutrition for Physical Performance (3)	
NUTRI 310 Cultural Foods of the World (3)	
NUTRI 330 Food Theory and Preparation (4)	
SOC 300 Introductory Sociology (3) or SOC 480 Introductory Sociology – Honors (3)	
SOC 305 Critical Thinking in the Social Sciences (3)	
<b>Total Units Required</b>	<b>32</b>

### Associate in Science for Transfer Degree

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) degree may be obtained by completion of 60 transferable, semester units with a minimum 2.0 GPA, including (a) the major or area of emphasis described in the Required Program, and (b) either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

## Nutrition and Foods (NUTRI)

<b>NUTRI 300     Nutrition</b>	<b>3 Units</b>
<b>Prerequisite:</b> None.	
<b>Advisory:</b> ENGWR 51 and ENGRD 110; or ESLR 320 and ESLW 320 or ESL 114; and MATH 34; with grades of "C" or better.	
<b>General Education:</b> AA/AS Area III(b); AA/AS Area IV; CSU Area E1	
<b>Course Transferable to UC/CSU</b>	
<b>Hours:</b> 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. Credit will be awarded for either NUTRI 480 or NUTRI 300, not both. (C-ID NUTR 110)	

<b>NUTRI 302 Nutrition for Physical Performance</b>	<b>3 Units</b>	<b>NUTRI 480 Nutrition Honors</b>	<b>3 Units</b>
<i>Same As: KINES 418</i>		<i>Prerequisite: None.</i>	
<i>Prerequisite: None.</i>		<i>Advisory: ENGWR 51 and ENGRD 110; or ESLR 320 and ESLW 320 or ESL 114; and MATH 34; with grades of "C" or better.</i>	
<i>General Education: AA/AS Area III(b); CSU Area E1</i>		<i>General Education: AA/AS Area III(b); AA/AS Area IV; CSU Area E1</i>	
<i>Course Transferable to UC/CSU</i>		<i>Enrollment Limitation: Eligibility for the Honors Program.</i>	
<i>Hours: 54 hours LEC</i>		<i>Course Transferable to UC/CSU</i>	
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.		<i>Hours: 54 hours LEC</i>	
<b>NUTRI 310 Cultural Foods of the World</b>	<b>3 Units</b>		
<i>Prerequisite: None.</i>			
<i>Advisory: ENGWR 51 and ENGRD 110; or ESLW 320 and ESLR 320; and MATH 34 with grades of "C" or better</i>			
<i>General Education: AA/AS Area III(b); AA/AS Area VI; CSU Area D; IGETC Area 4</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LEC</i>			
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.			
<b>NUTRI 322 Nutrition Issues Throughout Life</b>	<b>3 Units</b>		
<i>Prerequisite: None.</i>			
<i>General Education: AA/AS Area III(b)</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LEC</i>			
This course is a study of the nutritive needs of persons at various stages of the life cycle with emphasis on special periods such as pregnancy, preschool, adolescence, and aging. This course is particularly helpful to Kinesiology and Early Childhood Education majors as well as those working in social agencies, such as nursing and gerontology.			
<b>NUTRI 330 Food Theory and Preparation</b>	<b>4 Units</b>		
<i>Prerequisite: None.</i>			
<i>Advisory: ENGWR 51 and MATH 27 with grades of "C" or better.</i>			
<i>General Education: AA/AS Area III(b); CSU Area E1</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 54 hours LEC; 54 hours LAB</i>			
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 correction of cooking failures. (C-ID NUTR 120)			

## **Occupational Therapy Assistant**

**Degree:**

**A.S. – Occupational Therapy Assistant**

## **OTA**

### **Division of Science and Allied Health**

**James Collins, Dean  
South Gym, room 220  
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 OTA program is cohort-based. Students are expected to advance through the required curriculum each semester in the established sequence. The Allied Health and OTA courses are offered Monday through Thursday in the evening and on Saturdays, with the exception of clinical fieldwork, which is scheduled during weekday business hours.

Supervised clinical fieldwork experiences are integrated throughout the program. Students must complete fieldwork as a corequisite to academic courses. The introduction to clinical practice courses, OTA 122, 132, and 142, require 40 hours of fieldwork (with 14 hours on-campus seminar for each class); OTA 152 requires 20 hours of fieldwork (with 7 hours on-campus seminar). There are two required full-time fieldwork experiences that take place during the student's final two semesters, requiring completion of 320 hours in each assigned setting, to be completed during regular business hours, Monday-Friday. Students must be prepared to begin these rotations on a full-time basis in accordance with the program sequence. These clinical rotations each have a separate and required on-campus seminar course, each for 27 hours. Start dates for each student may vary based on site availability. All efforts are made to place eligible students in fieldwork sites as soon as sites are available. All students must complete Level II fieldwork within 18 months of completion of the didactic component of the program. In addition to graduation eligibility, fieldwork eligibility requires having current documentation on file for physical examinations, immunizations, a TB test, current CPR certification for health personnel (level C), background check, fingerprinting, and drug screening. Fieldwork sites may have additional requirements specific to their site.

In addition to college enrollment fees, other estimated costs include: books and supplies (\$900); lab fees (\$300); background check and drug screening (\$100); physical examinations and immunizations (\$175); malpractice insurance (\$30); fingerprinting (\$150); and fees and related requirements for certification test and licensure (\$850). Some clinical sites require that students have health and/or automobile insurance as a condition of acceptance for fieldwork placement. Students must also plan for travel costs to and from the clinical facilities, many of which are outside the Sacramento area. While all efforts are made to place students in locations near their residence, students need to be prepared to travel long distances to complete their fieldwork experiences. Some students may need to arrange for housing during the full-time fieldwork. All clinical fieldwork must be completed in California. The costs listed above are based on current fees and are subject to change without notice.

Students in the OTA Program will be required to practice skills on each other in a laboratory setting with instructor supervision. Lab practical examinations are given to establish skill competence. Students must pass all lab practicals in order to pass a course. Courses in the OTA Program may include discussion of issues such as race, religion, sexuality, disability, and gender as related to the course content. Additional program requirements are outlined in the OTA Program Hand-

book provided to all students during the program orientation. These requirements and expectations are reviewed in the orientation and, as applicable, in each program course. Failure to meet all program requirements, perform lab and/or clinical skills safely with competence, or demonstrate legal and ethical behaviors may result in disciplinary actions and/or dismissal from the program.

**Accreditation/Certification:** Program accreditation standards drive the program's curriculum and the majority of the program requirements. The Occupational Therapy Assistant Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (OTA), 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](http://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](http://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](http://www.bot.ca.gov) or by contacting the Board at (916) 263-2294.

### **Additional Information**

**About the Program:** Informational meetings are held several times each semester and provide prospective students with information on program prerequisites, enrollment process, and other important facts about the program. These meetings address critical factors for student success, including planning related to educational requirements, finances, transportation, release from work, and support needs. All interested students are strongly encouraged to attend. For dates, times, and other information, visit the program website at [www.scc.losrios.edu/ota/](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 two semesters of the program requires full-time clinical fieldwork during which students are unable to work in outside employment. Part-time placement is not available except for documented medical accommodations. Students should develop a financial plan that enables them to complete this required component of the program, which can take several months to complete depending on individual circumstances. Success on the national certification exam is dependent on timely program completion. While students have up to 18 months to complete their Level II fieldwork to account for contingencies that may arise, prompt completion of this requirement supports student success on this high-cost examination. Students must pay full price for each examination attempt.

**About Recency of OTA Courses:** All courses with an OTA designator

(except OTA 100) must have been completed within the last five years at the time of petitioning for graduation. This time frame is consistent with recency requirements for completion of the national exam and for licensure to practice in California. Students who do not meet this qualification must meet with the Program Coordinator and the Division Dean to review individual circumstances.

**About Transfer Students:** Students from other accredited OT or OTA programs may apply to transfer to the Sacramento City College OTA Program. Students must first apply to the program and be accepted before transfer credits are reviewed. Students must submit the following in order to complete a transfer credit review: transcripts, course syllabi, and a letter of introduction from the director of the program where the student was previously enrolled. Any OT/OTA coursework older than five years will not be considered for transfer. The review of transfer credit requires five to six weeks and cannot be completed if the materials provided are incomplete. A review of the proposed transfer courses does not imply or guarantee acceptance of the coursework. Incoming transfer students are subject to skills and theory testing to confirm current competency prior to final course placement. Students may not transfer to take only the Level II fieldwork courses.

**About Felony Convictions:** A felony conviction may affect eligibility to sit for the national exam and/or complete the licensure process in California. For more information about an "Early Determination" review for the national exam, contact the National Board for Certification in Occupational Therapy (NBCOT). Their web address is [www.nbcot.org](http://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](http://www.bot.ca.gov).

### Career Opportunities

This program prepares the student for employment as an occupational therapy assistant. Occupational therapy assistants work with people of all ages who, because of physical, cognitive, developmental, social, or emotional problems, need specialized assistance in order to lead independent, productive, and satisfying lives. They may work in a wide variety of settings including hospitals, rehabilitation centers, skilled nursing facilities, home health agencies, school systems, psychiatric hospitals, private practice outpatient clinics, and emerging practice areas.

### Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Students must be eligible for graduation with the exception of OTA coursework.
- Completion of AH 106, AH 110, AH 301 or ANTH 310 or SOC 300, BIOL 100 or BIOL 430 and BIOL 431, LIBR 307, NUTRI 300 or FCS 340 or HEED 300, OTA 100, PSYC 300 or PSYC 480, and PSYC 370 or FCS 324 with grades of "C" or better. BIOL 100 or BIOL 430 and BIOL 431 and PSYC 300 or equivalent courses must have been completed within the last 10 years at the time of application to the program.
- Completion of SCC general education courses in the following areas: Area I – Humanities, Area II(b) – Communication and Analytical Thinking, Area III(a) – Physical Education, Area V(a) – American Institutions, and Area VI – Ethnic/Multicultural Studies.
- Completion of SCC graduation competencies for reading, writing, and math.
- Students must have an overall GPA of 2.5 or higher.
- Courses passed with a grade "P" or "CR" will be calculated into the student's GPA as a "C" grade.
- Students with in-progress coursework must show proof of enrollment at the time of application and submit proof of successful completion at the end of the semester to retain eligibility. Wait-listed courses are not eligible.
- All official transcripts and approved course substitution forms for courses completed outside of the Los Rios Community College District must be on file with the SCC Admissions & Records office at the time of application.

### Eligible students are selected for the program according to the following steps:

- Interested students are strongly encouraged to attend a program information meeting prior to applying to the program. Dates and times can be found on the program website at <https://www.scc.losrios.edu/ota/>. In addition, those who have previously attended an information meeting must monitor the program web site to ensure they have the most current information as requirements may have changed. Students may also attend additional information meetings.
- The program will implement a wait list effective Fall 2019. Qualified applicants will be notified of their placement on the list and their projected enrollment year. Once placed on the wait list, the student is required to submit a renewal application each year to retain their eligibility and place on the list until they are enrolled in the program.
- New applications and renewal applications to the program must be submitted by the posted due date, which can be found on the program website at <https://www.scc.losrios.edu/ota/>. All application types are accepted once a year and are submitted only online. New applicants must submit a complete and qualified application in order to be considered. New applicants must also submit proof of enrollment for in-progress courses in PDF format only, and transcripts for completed coursework must be on file in the SCC Admissions & Records department at the time of application. Renewal applicants must confirm each year that they would like to retain their eligibility on the wait list.
- When the number of applicants to a program exceeds the available seats, a random selection process is used to determine the roster of the incoming class, per California Education Code. Students who have submitted complete and qualified applications in prior sequential years will receive entries in the random selection equal to the number of years applied to establish the initial wait list during Fall 2019. Failure to meet any requirements will result in the application being categorized as a new application. The order of annual additions to the wait list will be determined by random selection.
- Selected students who decline their seat in the next cohort will need to re-apply as a new applicant during the next application cycle to return to the wait list.
- Students selected to enter the program will be expected to fulfill additional requirements prior to their first semester to maintain their eligibility for enrollment. Examples of these requirements include: completion of a background check, drug screen, physical examination, immunizations, CPR and HIPAA training; and purchase of malpractice insurance and a medical document manager subscription. Detailed instructions are provided at the time of eligibility notification. Costs of these requirements are the student's responsibility. This list is not fully inclusive and is subject to change without notice.

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

- recognize the theoretical frames of reference from which the practice of occupational therapy is derived.
- demonstrate fundamental skills in the use of evidence to guide practice and participate in research activities as directed.
- describe occupational therapy programs and practice as currently organized in health care delivery systems.
- describe emerging and non-traditional practice areas and define the role of the OTA in these settings.
- analyze tasks and environments to assess their therapeutic qualities and constraints.
- perform evaluation procedures selected according to OTA practice guidelines.
- assist in developing occupational therapy intervention plans.
- implement an intervention plan to engage clients in purposeful activities related to occupation.
- document factual client data for oral and written communication, using either traditional methods or new technologies.
- maintain records and reports including counter-signatures, as guided by regulations for confidentiality, reimbursement, and quality assurance.

- revise and implement OT intervention plans in ongoing collaboration with the supervising OT.
- assess factors that warrant change or discontinuation of an established intervention plan, in collaboration with the supervising OT.
- manage supplies and equipment necessary for OT intervention, demonstrating safety and appropriate infection control procedures.
- access, reference, and abide by all state regulations.
- locate, reference, and abide by all federal regulations, including HIPAA and ADA guidelines.
- apply the OT Code of Ethics as an element of all professional interactions and service provision.
- adhere to all OT department and agency policies and procedures.
- explain the definition and role of occupational therapy to consumers and other health practitioners.
- discuss how socio-cultural diversity may influence the therapeutic process.
- demonstrate actions that reflect non-judgmental attitudes and values toward patient/clients, staff, and family members in professional situations.
- exhibit behaviors that respect the client's basic rights to quality service with minimum risk of further injury or insult.
- demonstrate an attitude of professional responsibility for self-directed learning as a life-long process for acquiring new knowledge, abilities, attitudes, and refining clinical reasoning.
- demonstrate active involvement in professional development, leadership, and advocacy.

<b>Required Program</b>	<b>Units</b>
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Courses Required for Program Application in addition to the Graduation Requirements listed in the Enrollment Limitations:

AH 106 Communication for Allied Health Careers.....	2
AH 110 Medical Language for Health-Care Providers.....	3
AH 301 Health Care in a Multicultural Society (3).....	3
or SOC 300 Introductory Sociology (3)	
or SOC 480 Introductory Sociology – Honors (3)	
or ANTH 310 Cultural Anthropology (3)	
or ANTH 481 Honors Cultural Anthropology (3)	

BIOL 100 Introduction to Concepts of Human Anatomy and Physiology (3) .....	3 – 10 <sup>1</sup>
or BIOL 430 Anatomy and Physiology (5)	
and BIOL 431 Anatomy and Physiology (5)	

LIBR 307 Medical Information Resources.....	1
NUTRI 300 Nutrition (3) .....	3

or NUTRI 480 Nutrition Honors (3)	
or HEED 300 Health Science (3)	

OTA 100 Introduction to Occupational Therapy.....	1
PSYC 300 General Principles (3) .....	3 <sup>2</sup>

or PSYC 480 Honors General Principles (3)	
PSYC 370 Human Development: A Life Span (3) .....	3

or FCS 324 Human Development: A Life Span (3)	
Semester 1 (Spring):	

OTA 123 Fundamentals of Clinical Documentation .....	1
OTA 131 Occupational Therapy Theory and Process in Psychosocial Dysfunction .....	5

OTA 132 Introduction to Clinical Practice in Psychosocial Dysfunction (1) .....	1
or OTA 122 Introduction to Clinical Practice in Non-Traditional Settings (1)	

OTA 150 Occupational Therapy Process and Practice in Developmental Disabilities and Pediatric Conditions.....	2.5
OTA 152 Introduction to Clinical Practice in Pediatric Conditions ...	0.5

Semester 2 (Summer):	
OTA 110 Functional Biomechanics for the OTA.....	3

OTA 111 Functional Biomechanics Lab for the OTA .....	1
Semester 3 (Fall):	

OTA 140 Theoretical Foundations of Physical Dysfunction .....	3
OTA 141 Occupational Therapy Process in Physical Dysfunction .....	4

OTA 142 Introduction to Clinical Practice in Physical Dysfunction (1) .....	1
or OTA 122 Introduction to Clinical Practice in Non-Traditional Settings (1)	
<b>Semester 4 (Spring):</b>	
OTA 120 Fundamentals of Occupational Therapy .....	2.5
Assistant Practice .....	2.5
OTA 124 Introduction to Electronic Documentation for the OTA.....	0.5
OTA 160 Field Work Level II for the Occupational Therapy Assistant .....	6
Field Work .....	0.5
OTA 162 Practice Skills for First Rotation OTA Level II .....	0.5
Field Work .....	0.5
<b>Semester 5 (Summer):</b>	
OTA 121 Contemporary Models of Practice in Occupational Therapy .....	1
<b>Semester 6 (Fall):</b>	
OTA 161 Field Work Level II for the Occupational Therapy Assistant .....	6
OTA 163 Practice Skills for Second Rotation OTA Level II .....	0.5
Field Work .....	0.5
<b>Total Units Required</b>	<b>61 – 68</b>

<sup>1</sup>Ten year recency required.

<sup>2</sup>Ten year recency required.

#### Suggested Electives

AH 301, ARABIC 401, CANT 401, DEAF 310, 353; FREN 401, GREEK 401, ITAL 401, JAPAN 401, KOREAN 401, MAND 401, PNJABI 401, PRSIAN 401, RUSS 101, SPAN 401, TGLG 401, VIET 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.

<b>OTA 110</b>	<b>Functional Biomechanics for the OTA</b>	<b>3 Units</b>	<b>OTA 122</b>	<b>Introduction to Clinical Practice in Non-Traditional Settings</b>	<b>1 Unit</b>
<i>Prerequisite: OTA 150 and 152 with grades of "C" or better</i>			<i>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.</i>		
<i>Corequisite: OTA 111</i>			<i>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.</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LAB</i>		
In this course the Occupational Therapy Assistant (OTA) student will explore components of human movement, including joint structure and function, muscle action, motor and reflex development, and balance and sensory influence. In addition to the body structures involved in movement, students will examine the motor and process skills and sensory and neuromusculoskeletal client factors required for engagement in occupation across the lifespan. Students will complete a formal biomechanical activity analysis as it relates to occupational performance.			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.		
<b>OTA 111</b>	<b>Functional Biomechanics Lab for the OTA</b>	<b>1 Unit</b>	<b>OTA 123</b>	<b>Fundamentals of Clinical Documentation</b>	<b>1 Unit</b>
<i>Prerequisite: OTA 150 and 152 with grades of "C" or better</i>			<i>Prerequisite: See enrollment limitations</i>		
<i>Corequisite: OTA 110</i>			<i>Enrollment Limitation: Completion of AH 106, AH 110, BIOL 100 or BIOL 430 and BIOL 431, ENGWR 300 or ENGWR 488, OTA 100, PSYC 300 or PSYC 480, and PSYC 370 or FCS 324 with grades of "C" or better and cumulative GPA of 2.5 or higher in these courses. Completion of the Sacramento City College Reading Competency graduation requirement. BIOL 100 or BIOL 430 and BIOL 431 and PSYC 300 or equivalent courses must have been completed within the last 10 years at the time of application to the program. This course may be taken only by students officially accepted into the OTA program.</i>		
<i>Hours: 54 hours LAB</i>			<i>Hours: 18 hours LEC</i>		
In this course the Occupational Therapy Assistant (OTA) student will use an analysis and problem-solving approach to functional human movement across the lifespan. Through hands-on laboratory activities, students will develop skills in assessment of client factors affecting engagement in occupations. Students will explore basic intervention methods and strategies for remediation of and compensation for biomechanical deficits and impairments.			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.		
<b>OTA 120</b>	<b>Fundamentals of Occupational Therapy Assistant Practice</b>	<b>2.5 Units</b>	<b>OTA 124</b>	<b>Introduction to Electronic Documentation for the OTA</b>	<b>.5 Unit</b>
<i>Prerequisite: OTA 123 and LIBR 307 with grades of "C" or better.</i>			<i>Prerequisite: OTA 120 and 123 with grades of "C" or better</i>		
<i>Hours: 45 hours LEC</i>			<i>Hours: 9 hours LEC</i>		
In this course the student will develop knowledge and understanding of the various contexts in which Occupational Therapy (OT) services are provided. Participation in the management and reimbursement of OT services within the scope of the Occupational Therapy Assistant (OTA) is addressed as well. Included is discussion of the principles of management and systems as they relate to providing OT services to individuals and within organizations. Professional responsibilities are examined with an emphasis on development of professional attitudes and behaviors.			The use of electronic medical record (EMR) is an expected skill in health care practice as service providers establish compliance with federal mandates for medical information management. This course will provide the occupational therapy assistant student with an introduction to EMR formats, methods, reimbursement requirements, and legal issues. This course prepares the student for learning the basics of the EMR in preparation for Level II fieldwork.		
<b>OTA 121</b>	<b>Contemporary Models of Practice in Occupational Therapy</b>	<b>1 Unit</b>			
<i>Prerequisite: OTA 120 with a grade of "C" or better</i>					
<i>Hours: 18 hours LEC</i>					
Significant changes in health care have resulted in a move away from the medical and institutional models to community-based models. This course will provide the Occupational Therapy Assistant (OTA) student with a foundation of knowledge that will allow the student to pursue practice opportunities in community-based and other non-traditional and emerging practice settings. In this course, the student will gain an understanding of the various disciplines involved in these settings, the role of or potential for occupational therapy (OT) services within these organizations and funding sources. The student will explore legislative aspects of OT in community-based and non-traditional services, further developing their professional advocacy skills. Students will also explore the profession's philosophical beliefs about inclusion and OT service accessibility.					

<b>OTA 131</b>	<b>Occupational Therapy Theory and Process in Psychosocial Dysfunction</b>	<b>5 Units</b>	<b>OTA 140</b>	<b>Theoretical Foundations of Physical Dysfunction</b>	<b>3 Units</b>
<i>Prerequisite:</i> See enrollment limitations			<i>Prerequisite:</i> OTA 110 and 111 with grades of "C" or better		
<i>Corequisite:</i> OTA 132			<i>Corequisite:</i> OTA 141 and 142		
<i>Enrollment Limitation:</i> Completion of AH 106, AH 110, BIOL 100 or BIOL 430 and BIOL 431, ENGWR 300 or ENGWR 488, OTA 100, PSYC 300 or PSYC 480, and PSYC 370 or FCS 324 with grades of "C" or better and cumulative GPA of 2.5 or higher in these courses. Completion of the Sacramento City College Reading Competency graduation requirement. BIOL 100 or BIOL 430 and BIOL 431 and PSYC 300 or equivalent courses must have been completed within the last 10 years at the time of application to the program. This course may be taken only by students officially accepted into the OTA program.			<i>Hours:</i> 54 hours LEC		
<i>Hours:</i> 72 hours LEC; 54 hours LAB			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.		
<b>OTA 132</b>	<b>Introduction to Clinical Practice in Psychosocial Dysfunction</b>	<b>1 Unit</b>	<b>OTA 141</b>	<b>Occupational Therapy Process Units in Physical Dysfunction</b>	<b>4</b>
<i>Prerequisite:</i> See enrollment limitations			<i>Prerequisite:</i> OTA 110 and 111 with grades of "C" or better		
<i>Corequisite:</i> OTA 131			<i>Corequisite:</i> OTA 140 and 142		
<i>Enrollment Limitation:</i> Completion of AH 106, AH 110, BIOL 100 or BIOL 430 and BIOL 431, ENGWR 300 or ENGWR 488, OTA 100, PSYC 300 or PSYC 480, and PSYC 370 or FCS 324 with grades of "C" or better and cumulative GPA of 2.5 or higher in these courses. Completion of the Sacramento City College Reading Competency graduation requirement. BIOL 100 or BIOL 430 and BIOL 431 and PSYC 300 or equivalent courses must have been completed within the last 10 years at the time of application to the program. This course may be taken only by students officially accepted into the OTA program.			<i>Hours:</i> 54 hours LEC; 54 hours LAB		
<i>Hours:</i> 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, 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.		
<b>OTA 142</b>	<b>Introduction to Clinical Practice in Physical Dysfunction</b>	<b>1 Unit</b>	<b>OTA 142</b>	<b>Introduction to Clinical Practice in Physical Dysfunction</b>	<b>1 Unit</b>
<i>Prerequisite:</i> OTA 110 and 111 with grades of "C" or better			<i>Prerequisite:</i> OTA 110 and 111 with grades of "C" or better		
<i>Corequisite:</i> OTA 141			<i>Corequisite:</i> OTA 141		
<i>Hours:</i> 54 hours LAB			<i>Hours:</i> 54 hours LAB		
Through Level I Fieldwork experiences, students will be introduced to clinical practice for individuals with mental health conditions and dysregulated 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.			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.		

<b>OTA 150</b>	<b>Occupational Therapy Process Units and Practice in Developmental Disabilities and Pediatric Conditions</b>	<b>2.5</b>	<b>Field Work Level II for the Occupational Therapy Assistant</b>	<b>6 Units</b>
<i>Prerequisite:</i> See enrollment limitations			<i>Prerequisite:</i> OTA 131 and 132 with grades of "C" or better	
<i>Corequisite:</i> OTA 152			<i>Corequisite:</i> OTA 162	
<i>Enrollment Limitation:</i> Completion of AH 106, AH 110, BIOL 100 or BIOL 430 and BIOL 431, ENGWR 300 or ENGWR 488, OTA 100, PSYC 300 or PSYC 480, and PSYC 370 or FCS 324 with grades of "C" or better and cumulative GPA of 2.5 or higher in these courses. Completion of the Sacramento City College Reading Competency graduation requirement. BIOL 100 or BIOL 430 and BIOL 431 and PSYC 300 or equivalent courses must have been completed within the last 10 years at the time of application to the program. This course may be taken only by students officially accepted into the OTA program.			<i>Hours:</i> 324 hours LAB	
<i>Hours:</i> 36 hours LEC; 27 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.	
<b>OTA 152</b>	<b>Introduction to Clinical Practice in Pediatric Conditions</b>	<b>.5 Units</b>	<b>Field Work Level II for the Occupational Therapy Assistant</b>	<b>6 Units</b>
<i>Prerequisite:</i> See enrollment limitations			<i>Prerequisite:</i> OTA 121, 141, and 142 with grades of "C" or better	
<i>Corequisite:</i> OTA 150			<i>Corequisite:</i> OTA 163	
<i>Enrollment Limitation:</i> Completion of AH 106, AH 110, BIOL 100 or BIOL 430 and BIOL 431, ENGWR 300 or ENGWR 488, OTA 100, PSYC 300 or PSYC 480, and PSYC 370 or FCS 324 with grades of "C" or better and cumulative GPA of 2.5 or higher in these courses. Completion of the Sacramento City College Reading Competency graduation requirement. BIOL 100 or BIOL 430 and BIOL 431 and PSYC 300 or equivalent courses must have been completed within the last 10 years at the time of application to the program. This course may be taken only by students officially accepted into the OTA program.			<i>Hours:</i> 324 hours LAB	
<i>Hours:</i> 27 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.	
<b>OTA 162</b>	<b>Practice Skills for First Rotation OTA Level II Field Work</b>	<b>.5 Units</b>		
<i>Prerequisite:</i> None.				
<i>Corequisite:</i> OTA 160				
<i>Hours:</i> 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:* 162 hours LAB

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**

## **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 Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtaining 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**

**Division of Humanities and Fine Arts****Chris Iwata, Dean****Performing Arts Center, room 137****916-558-2551****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 300 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; CSU Area C2; IGETC Area 3B

**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 and is affected by 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 euthanasia, animal rights, torture, and our relationship to the environment. (C-ID PHIL 120)

<b>PHIL 320 Logic and Critical Reasoning</b>	<b>3 Units</b>	<b>PHIL 352 Introduction to World Religions</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
General Education: AA/AS Area II(b); CSU Area A3		General Education: AA/AS Area I; AA/AS Area VI; CSU Area C2; IGETC Area 3B	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LEC		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.		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.	
<b>PHIL 325 Symbolic Logic</b>	<b>3 Units</b>	<b>PHIL 368 Law, Justice, and Punishment</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
Advisory: ENGWR 101 with a grade of "C" or better		Advisory: ENGWR 101 with a "C" or better	
General Education: AA/AS Area II(b); CSU Area A3		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		Course Transferable to UC/CSU	
Hours: 54 hours LEC		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)		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.	
<b>PHIL 330 History of Classical Philosophy</b>	<b>3 Units</b>	<b>PHIL 480 History of Classical Philosophy – Honors</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
Advisory: Eligibility for ENGWR 300		Advisory: ENGWR 300; Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.	
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B		General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B	
Course Transferable to UC/CSU		Course Transferable to UC/CSU	
Hours: 54 hours LEC		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. Credit may be earned for PHIL 330 or PHIL 480 but not for both. (C-ID PHIL 130)		This course is a study of the origin and development of Western philosophy during the period of the ancient Greeks and Romans. The course is recommended for all philosophy, history, and humanities majors. This honors section uses an intensive instructional methodology designed to challenge motivated students. Credit may be earned for PHIL 330 or PHIL 480 but not for both. (C-ID PHIL 130)	
<b>PHIL 331 History of Modern Philosophy</b>	<b>3 Units</b>	<b>PHIL 481 History of Modern Philosophy – Honors</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
Advisory: ENGWR 101 with a grade of "C" or better		Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.	
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B		General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B	
Course Transferable to UC/CSU		Enrollment Limitation: Eligibility for the Honors program.	
Hours: 54 hours LEC		Course Transferable to UC/CSU	
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)		Hours: 54 hours LEC	
<b>PHIL 338 Contemporary Philosophy</b>	<b>3 Units</b>	<b>PHIL 481 History of Modern Philosophy – Honors</b>	<b>3 Units</b>
Prerequisite: None.		Prerequisite: None.	
Advisory: ENGWR 300 with a grade of "C" or better		Advisory: Honors courses are open to students who demonstrate an ability to write carefully reasoned, well-organized essays of varying lengths, are prepared to make clear oral presentations in class, and are able to actively contribute to seminar discussions.	
General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B		General Education: AA/AS Area I; CSU Area C2; IGETC Area 3B	
Course Transferable to UC/CSU		Enrollment Limitation: Eligibility for the Honors program.	
Hours: 54 hours LEC		Course Transferable to UC/CSU	
This class addresses contributions to Western Philosophy in the 20th and 21st century. Topic examples include Existentialism, Philosophy of Mind, Philosophy of Language, Feminism, Philosophy of Science, Philosophy of Film, and Environmental Ethics.		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      1-3 Units  
Philosophy**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 162 hours LAB*

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      .5-4 Units  
Philosophy**

*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**

**Division of Advanced Technology**

**Donnetta Webb, Dean**  
**Technology, room 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, 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 210 Photography Business .....	3
PHOTO 212 Marketing & Self-Promotion for Photographers.....	3
PHOTO 280 Portfolio Development I.....	2 – 4
PHOTO 281 Portfolio Development II.....	2 – 4
PHOTO 302 Beginning Digital Photography .....	3
PHOTO 312 Intermediate Digital Photography .....	3
PHOTO 380 Multimedia Capture I (3).....	3
or JOUR 364 Multimedia Capture I (3)	
PHOTO 390 Studio Lighting Techniques.....	3 – 4
PHOTO 391 Advanced Studio Lighting Techniques.....	3 – 4
A minimum of 6 units from the following: .....	6
PHOTO 266 California Coastal Photography (2)	

- PHOTO 267 California Urban Photography (2)  
 PHOTO 268 California Mountain Photography (2)  
 PHOTO 269 California Desert Photography (2)  
 PHOTO 282 Portfolio Development III (2 – 4)  
 PHOTO 372 Advanced Portrait Photography (3 – 4)  
 PHOTO 381 Multimedia Capture II (3)  
     or JOUR 365 Multimedia Capture II (3)  
 PHOTO 392 Commercial and Advertising Photography (3 – 4)  
 PHOTO 400 Digital Imaging (3)  
 PHOTO 402 Adobe Lightroom (3)  
 PHOTO 406 High Dynamic Range Imaging “HDRI” (3)  
 PHOTO 410 Advanced Digital Imaging (3)  
 PHOTO 490 Assignment Photography (0.5 – 4)

**Total Units 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 in 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.

**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:**

- describe technical and aesthetic qualities of successful photographs.
- produce photographs using various camera and digital methods.
- demonstrate a thorough knowledge of current computer software and digital imaging skills as they apply to photography.
- produce photographs using photographic papers and various digital media outputs.
- describe successful working relationships with clients and subjects.
- survey history, careers, styles, and trends in professional photography.
- develop pre-production shoot and planning methods.
- execute shoot production in both the studio and on location.
- demonstrate post production technical and creative solutions.
- develop a marketing plan, materials, and support process.
- develop a small business plan and organizational structure.

<b>Required Program</b>	<b>Units</b>	
PHOTO 210 Photography Business (3)..... or PHOTO 212 Marketing & Self-Promotion for Photographers (3)	3	
PHOTO 280 Portfolio Development I.....	2 – 4	
PHOTO 302 Beginning Digital Photography .....	3	
PHOTO 312 Intermediate Digital Photography .....	3	
PHOTO 350 Photojournalism (3)..... or JOUR 360 Photojournalism (3)	3	
PHOTO 380 Multimedia Capture I (3)..... or JOUR 364 Multimedia Capture I (3)	3	
PHOTO 400 Digital Imaging .....	3	
PHOTO 410 Advanced Digital Imaging .....	3	
PHOTO 370 Portraiture and Wedding Photography (3 – 4) .....	3 – 4	
or PHOTO 390 Studio Lighting Techniques (3 – 4)		
<b>Total Units Required</b>	<b>26 – 29</b>	
		<b>17-19</b>

**Suggested Electives**

ART 300, 322; BUS 300, DDSN 331, ENGWR 384, JOUR 300,  
PHOTO 370, 372, 390, 392, 400, 410

**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, and 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**

	<b>Units</b>
PHOTO 210 Photography Business .....	3
PHOTO 280 Portfolio Development I.....	2 – 4
PHOTO 302 Beginning Digital Photography .....	3
PHOTO 312 Intermediate Digital Photography .....	3
PHOTO 380 Multimedia Capture I (3)..... or JOUR 364 Multimedia Capture I (3)	3

A minimum of 3 units from the following: ..... 3

- PHOTO 266 California Coastal Photography (2)
- PHOTO 267 California Urban Photography (2)
- PHOTO 268 California Mountain Photography (2)
- PHOTO 269 California Desert Photography (2)
- PHOTO 350 Photojournalism (3)  
or JOUR 360 Photojournalism (3)
- PHOTO 370 Portraiture and Wedding Photography (3 – 4)
- PHOTO 390 Studio Lighting Techniques (3 – 4)
- PHOTO 400 Digital Imaging (3)
- PHOTO 402 Adobe Lightroom (3)
- PHOTO 406 High Dynamic Range Imaging "HDRI" (3)
- PHOTO 410 Advanced Digital Imaging (3)
- PHOTO 490 Assignment Photography (0.5 – 4)

**Total Units Required****17-19****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..

**Career Opportunities**

Career opportunities include wedding or portrait photographer, studio assistant, studio photographer, freelance photographer, or 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=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.
- compare and differentiate career options, styles, and trends in professional portraiture and wedding photography.
- develop a small business plan and organizational structure.
- develop a marketing plan, materials, and support process.
- demonstrate post-production technical and creative solutions for wedding packages.

<b>Required Program</b>	<b>Units</b>
PHOTO 210 Photography Business .....	3
PHOTO 212 Marketing & Self-Promotion for Photographers.....	3
PHOTO 280 Portfolio Development I.....	2 – 4
PHOTO 281 Portfolio Development II.....	2 – 4
PHOTO 302 Beginning Digital Photography .....	3
PHOTO 312 Intermediate Digital Photography .....	3
PHOTO 370 Portraiture and Wedding Photography.....	3
PHOTO 380 Multimedia Capture I (3).....	3
or JOUR 364 Multimedia Capture I (3)	
PHOTO 390 Studio Lighting Techniques.....	3 – 4
A minimum of 6 units from the following: .....	6
PHOTO 266 California Coastal Photography (2)	
PHOTO 267 California Urban Photography (2)	
PHOTO 268 California Mountain Photography (2)	
PHOTO 269 California Desert Photography (2)	
PHOTO 282 Portfolio Development III (2 – 4)	
PHOTO 372 Advanced Portrait Photography (3 – 4)	
PHOTO 381 Multimedia Capture II (3)	
or JOUR 365 Multimedia Capture II (3)	
PHOTO 392 Commercial and Advertising Photography (3 – 4)	
PHOTO 400 Digital Imaging (3)	
PHOTO 402 Adobe Lightroom (3)	
PHOTO 406 High Dynamic Range Imaging “HDR!” (3)	
PHOTO 410 Advanced Digital Imaging (3)	
PHOTO 490 Assignment Photography (0.5 – 4)	
<b>Total Units Required</b>	<b>31 – 36</b>

## **Photography (PHOTO)**

**PHOTO 210 Photography Business**

*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. Students will take a field trip to a local Photography Business.

## **PHOTO 212 Marketing & Self-Promotion for Photographers**

*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 for the latest practices and strategies of marketing and self-promotion specifically for the business of photography. The course introduces students to current industry marketing concepts and the development of a personal marketing plan. Topics include marketing basics, branding, goal setting, researching clients, budgeting annual promotions, and marketing

through industry organizations. Self-promotion through the Internet, email, blogging, direct mail, print advertising, and viral marketing using social networks will also be covered. Students will also develop a professional website and choose an online photo management product appropriate for their field of photography. Students will take a field trip to a local Photography Business.

**PHOTO 266 California Coastal 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.*

*Advisory: Students must be in good health and able to hike over uneven ground in varied weather conditions.*

*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*

The multi-day field course provides opportunity for students to study California coastal photography emphasizing that geographic region. Destinations could include but are not limited to: Big Sur or Bodega Bay. The course includes a variety of topics in traditional and digital photography, camera formats, working on location, and pre-production planning of location photography. Students are responsible for photographic expenses and may incur additional fees for transportation, lodging, food, park fees, and more. Approximate student cost could range from \$340 to \$400 depending on location.

**PHOTO 267 California Urban Photography 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.*

*Advisory: Students must be in good health and able to hike over uneven ground in varied weather conditions.*

*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*

The multi-day field course provides opportunity for students to study urban photography emphasizing that geographic region. Destinations could include but are not limited to: San Francisco or Los Angeles. The course will include a variety of topics in traditional and digital photography, camera formats, working on location, and pre-production planning of location photography. Students are responsible for all of their own photographic expenses and may incur additional fees for transportation, lodging, food, parking fees, and more. Approximate student cost could range from \$340 to \$400 depending on location.

**PHOTO 268 California Mountain Photography** **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.*

*Advisory: Students must be in good health and able to hike over uneven ground in varied weather conditions.*

**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*

The multi-day field course provides opportunity for students to study California Mountain photography emphasizing that geographic region. Destinations could include but are not limited to: Yosemite or Kings Canyon. The course includes a variety of topics in traditional and digital photography, camera formats, working on location, and pre-production planning of location photography. Students are responsible for all of their own photographic expenses and may incur additional fees for transportation, lodging, food, park fees, and more. Approximate student cost could range from \$340 to \$400 depending on location.

**PHOTO 269 California Desert Photography 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.*

*Advisory: Students must be in good health and able to hike over uneven ground in varied weather conditions.*

*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*

The multi-day field course provides opportunity for students to study California desert photography emphasizing that geographic region. Destinations could include but are not limited to: The Mojave or Death Valley. The course includes a variety of topics in traditional and digital photography, camera formats, working on location, and pre-production planning of location photography. Students are responsible for all of their own photographic expenses and may incur additional fees for transportation, lodging, food, park fees, and more. Approximate student cost could range from \$340 to \$400 depending on location.

**PHOTO 270 Panoramic and Still Image Animation 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 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. Student printing costs could range from \$30 to \$50.

**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.

**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 of regional markets and outlets for their styles of photography. Students will produce a complementary but completely different style of portfolio from that produced in PHOTO 280. Individual brands, presentation methods, and forums for distribution and exhibition will be emphasized for this new portfolio. Topics of discussion include: developing a personal brand, self publishing, self-promotion, marketing, displaying images on the web, and self editing. The format of the course includes lectures, guest speakers from the industry, lab time, and critique sessions.

**PHOTO 282 Portfolio Development III 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.*

*General Education: AA/AS Area I*

*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 an overview of the historical and contemporary themes influencing the photographic medium along with hands-on experience in digital photography. Instruction includes digital camera function, exposure control, flash photography, technical and creative control, basic computer manipulation of images, and digital output options. Students will also be introduced to the influence of photography and photographers on our culture along with an understanding of interpreting photographs and their visual literacy. The format of the class includes lectures, visual presentations, lab time, field trip, exams, and a portfolio. Students must provide their own adjustable DSLR cameras and necessary media and materials. Student printing cost could range from \$30 to \$50.

<b>PHOTO 312 Intermediate Digital Photography</b>	<b>3 Units</b>	<b>PHOTO 370 Portraiture and Wedding Photography</b>	<b>3-4 Units</b>
<i>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.</i>		<i>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.</i>	
<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>		<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC; 54 hours LAB</i>		<i>Hours: 36 hours LEC; 108 hours LAB</i>	
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, a 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 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.	
<b>PHOTO 341 Aerial Photography- Remote System</b>	<b>3 Units</b>	<b>PHOTO 372 Advanced Portrait Photography</b>	<b>3-4 Units</b>
<i>Same As: FLTEC 311</i>		<i>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.</i>	
<i>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.</i>		<i>Enrollment Limitation: Students must hold a current FAA Remote Pilot - Small Unmanned Aircraft Systems certificate to participate in class.</i>	
<i>Enrollment Limitation: Students must hold a current FAA Remote Pilot - Small Unmanned Aircraft Systems certificate to participate in class.</i>		<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC; 54 hours LAB</i>		<i>Hours: 36 hours LEC; 108 hours LAB</i>	
This course will prepare and train students in the latest aerial data capture and imaging techniques used commercially with remote drone pilots. The course is designed for those already certified by the FAA (Remote Pilot – Small UAS under 14 CFR Part 107) and pursuing competent skills in both navigating while simultaneously capturing and imaging destinations and activities specific to their industry. Topics include individual or team flight capture and imaging techniques, video vs. still capture compositions, effective gimbal operation and dynamic preprogrammed flight capture. The course will also train students to edit and merge content for presentation in person and on the Internet. Credit may be earned for either PHOTO 341 or FLTEC 311 but not for both.		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.	
<b>PHOTO 350 Photojournalism</b>	<b>3 Units</b>	<b>PHOTO 380 Multimedia Capture I</b>	<b>3 Units</b>
<i>Same As: JOUR 360</i>		<i>Same As: JOUR 364</i>	
<i>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.</i>		<i>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.</i>	
<i>Advisory: PHOTO 312; with a grade of "C" or better</i>		<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-shoot cameras are not allowed.</i>	
<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>		<i>Course Transferable to CSU</i>	
<i>Course Transferable to CSU</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<i>Hours: 36 hours LEC; 54 hours LAB</i>		This course is an introduction to the basic creative concepts and technical elements of capturing video, audio, and still images to create documentary style multimedia content. Students will explore the creative and technical possibilities of merging these three media and various software used to edit this material. Students will receive practical experience in capturing and editing audio, video, and still images with image editing software. Students will complete a final multimedia project and must supply at least one of the following to complete the course: a video camera or an adjustable still camera in either film or digital formats. Students will also take a field trip to The Sacramento Bee or a similar media outlet. The course includes lectures, visual presentations, and lab time. Credit may be earned for JOUR 364 or PHOTO 380, but not for both. (C-ID JOUR 120)	
This course provides instruction in photojournalism and magazine techniques in photography. Students will study features, environmental portraits, sports, spot news, and the photo essay styles of journalistic photography. Students will also capture and use audio to complete multimedia projects. Students will photograph or capture multimedia stories for both online and print campus publications (The Express, Mainline magazine, etc.) to complete assignments for their final portfolios. The course includes lectures, visual presentations, speakers, a required field trip to The Sacramento Bee or another media outlet, and lab time. Students will provide their own adjustable camera and related materials. Credit may be earned for PHOTO 350 or JOUR 360, but not for both. (C-ID JOUR 160)			

<b>PHOTO 381 Multimedia Capture II</b>	<b>3 Units</b>	<b>PHOTO 392 Commercial and Advertising Photography</b>	<b>3-4 Units</b>
<i>Same As: JOUR 365</i>			
<i>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.</i>			
<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>			
<i>Course Transferable to CSU</i>			
<i>Hours: 36 hours LEC; 54 hours LAB</i>			
This course is designed to expand on the creative concepts and technical elements of capturing video, audio, and still images to create advanced documentary style multimedia content. Students will study advanced techniques in capturing and editing audio, video, and still images. Students will continue to advance their skills with image editing software to complete their final projects. Students must supply at least one of the following to complete the class: a video camera or an adjustable still camera in either film or digital formats. The course includes lectures, visual presentations, and lab time. Credit may be earned for JOUR 365 or PHOTO 381, but not for both.			
<b>PHOTO 390 Studio Lighting Techniques</b>	<b>3-4 Units</b>	<b>PHOTO 400 Digital Imaging</b>	<b>3 Units</b>
<i>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.</i>		<i>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.</i>	
<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>		<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC; 108 hours LAB</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
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 is an introductory course in digital imaging. Methods currently used in publishing will be emphasized. The course topics include Adobe Photoshop, page layout, multimedia use for electronic portfolio, use of computers, scanners, and how to develop a digital portfolio. A field trip is included in this course to learn about industry applications. Students must provide their own adjustable cameras and digital materials. Student printing cost could range from \$30 to \$50.	
<b>PHOTO 391 Advanced Studio Lighting Techniques</b>	<b>3-4 Units</b>	<b>PHOTO 402 Adobe Lightroom</b>	<b>3 Units</b>
<i>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.</i>		<i>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.</i>	
<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>		<i>Enrollment Limitation: Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>	
<i>Course Transferable to CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC; 108 hours LAB</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
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.		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.	

<b>PHOTO 406</b>	<b>High Dynamic Range Imaging “HDRI”</b>	<b>3 Units</b>	<b>PHOTO 490</b>	<b>Assignment Photography</b>	<b>.5-4 Units</b>
<i>Prerequisite:</i>	<i>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.</i>		<i>Prerequisite:</i>	<i>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.</i>	
<i>Enrollment Limitation:</i>	<i>Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>		<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i>	<i>43 hours LEC; 87 hours LAB</i>	
<i>Hours:</i>	<i>36 hours LEC; 54 hours LAB</i>		This course will introduce career-driven photography students to producing, creating, and completing real-world photography and multimedia projects for non-profit organizations and the Sacramento community. Through lecture, demonstration, client meetings, and brainstorming sessions, students will have the opportunity to develop a portfolio of completed projects. Students will also experience deadlines, the client-photographer relationship, setting pricing for projects, and strategies for presenting concepts.		
<b>PHOTO 410</b>	<b>Advanced Digital Imaging</b>	<b>3 Units</b>	<b>PHOTO 495</b>	<b>Independent Studies in Photography</b>	<b>1-3 Units</b>
<i>Prerequisite:</i>	<i>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.</i>		<i>Prerequisite:</i>	<i>None.</i>	
<i>Enrollment Limitation:</i>	<i>Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>		<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i>	<i>162 hours LAB</i>	
<i>Hours:</i>	<i>36 hours LEC; 54 hours LAB</i>		This course involves an individual student or small groups of students in study, research, or activities beyond the scope of regularly offered courses, pursuant to an agreement among college, faculty members, and students. Independent Studies in Photography offers students an opportunity to do research and/or experimentation that is more typical of advanced studies in Photography.		
<b>PHOTO 415</b>	<b>Advanced Digital Photo Restoration and Retouching</b>	<b>3 Units</b>	<b>PHOTO 498</b>	<b>Work Experience in Photography</b>	<b>1-4 Units</b>
<i>Prerequisite:</i>	<i>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.</i>		<i>Prerequisite:</i>	<i>None.</i>	
<i>Enrollment Limitation:</i>	<i>Students must use a DSLR style camera to complete all course objectives and assignments. Point-and-Shoot cameras are not allowed.</i>		<i>Course Transferable to CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours:</i>	<i>18 hours LEC; 300 hours LAB</i>	
<i>Hours:</i>	<i>36 hours LEC; 54 hours LAB</i>		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.		
<b>PHOTO 499</b>	<b>Experimental Offering in Photography</b>	<b>.5-4 Units</b>	<b>PHOTO 499</b>	<b>Experimental Offering in Photography</b>	<b>.5-4 Units</b>
<i>Prerequisite:</i>	<i>None</i>		<i>Prerequisite:</i>	<i>None</i>	
<i>Course Transferable to CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours:</i>	<i>54 hours LEC; 36 hours LAB</i>		<i>Hours:</i>	<i>54 hours LEC; 36 hours LAB</i>	
			See Experimental Offering		

## Physical Therapist Assistant

Degree: A.S. – Physical Therapist Assistant

## PTA

### 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 (36.5 units), Allied Health courses (3 units), and specific general education courses required for the program (9 units). Students must also take additional courses to meet graduation requirements of the college (10-19 units). PTA and Allied Health courses are offered Monday through Thursday in the evening and are scheduled sequentially for four semesters and one summer session. Supervised clinical experiences are integrated throughout the program. Introduction to Clinical Practice (PTA 122) is a 3-week full-time clinical practicum during the summer session. Clinical Practicum I and II (PTA 142 and 152) are each full-time 6-week clinical experiences at the end of fall and spring semesters of the second year. Clinical sites are located throughout the greater Sacramento and Northern California region.

#### 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.

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.

#### Additional Information

Informational meetings are held several times each semester and provide prospective students with information on program prerequisites, enrollment processes, and other facts about the program and the field of physical therapy. Current information on program policies and procedures, clinical sites, and data on graduation rates, licensure, and employment may be obtained through the program coordinator. Call (916) 558-2298 or visit the PTA program website at <https://www.scc.losrios.edu/pta> for more information.

**Licensure:** Graduates of this program are eligible for the National Physical Therapist Assistant Examination and the California Physical Therapy Laws and Regulations Exam. After successful completion of the examinations and all requirements of the Physical Therapy Board of California, graduates may be licensed to work as physical therapist assistants in California.

**Cost of the Program:** The cost of the program includes enrollment fees, which are subject to change. Other estimated costs include: books and supplies \$1200.00; physical examination, immunizations, drug screen, background check, and other clinical requirements \$500.00;

## PTA

### Division of Science and Allied Health

James Collins, Dean  
South Gym, room 220  
916-558-2271

malpractice insurance \$30.00; uniforms \$50.00; and application for licensure after graduation \$900.00. Students must also plan for travel costs to and from the clinical facilities, many of which are outside the Sacramento area. Some students may need to arrange for housing during full time clinical experiences.

**Accreditation:** The Physical Therapist Assistant Program at Sacramento City College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703-706-3245; email: [accreditation@apta.org](mailto:accreditation@apta.org); website: <http://www.capteonline.org>.

**Transfer Students:** Students from other accredited PTA programs may apply to transfer to the Sacramento City College PTA program. Enrollment depends upon evidence of completion of equivalent academic and clinical course work and on space available in the program.

#### Enrollment Eligibility

To be eligible for enrollment in the program, the student must meet the following criteria:

- Enrollment in the Physical Therapist Assistant program is based on completion of prerequisite courses. Grades of "C" or better and a minimum cumulative GPA of 3.0 are required in the prerequisite courses. Credit earned for courses taken as Pass/No Pass will be calculated into the GPA as "C" grades. Applicants must submit applications online and official transcripts to the Office of Admissions & Records. Approximately 30 students are enrolled in the program annually. Prerequisite courses include:
  - PTA 100 (Introduction to Physical Therapist Assistant) with a grade of "C" or better
  - BIOL 430 and 431 (Anatomy and Physiology), or equivalent courses, with grades of "C" or better within 10 years. If students have completed all other prerequisites, but have BIOL 431 (or equivalent) in progress at the time of application, they will be considered eligible, pending receipt of final grade report.
  - ENGWR 300 (College Composition) or ENGWR 488 (Honors College Composition and Research) or ESLW 340 (Advanced Composition) with a grade of "C" or better

#### Enrollment Process

Eligible students are selected for the program according to the following steps:

- Students apply for enrollment to the Physical Therapist Assistant program during each spring semester for entry in the following fall semester. Students wishing to apply for enrollment must submit an online application to the PTA program during the application period. The application form and the dates of the application period can be accessed via the PTA program website at <https://www.scc.losrios.edu/pta>.
- In the event there are more applicants than spaces available, students who meet the enrollment eligibility requirements will be entered into a random selection pool.
- Students accepted for enrollment in the Physical Therapist Assistant program will be required to provide documentation of a) capability to perform essential job-related functions of a physical therapist assistant; b) completed physical examination and immunizations; c) TB test; d) current professional level CPR certification; e) first aid certification, f) blood-borne pathogen certification, and g) HIPAA training certification. Prior to assignment to a clinical experience, students will be required to undergo a criminal background check and an 8-panel drug screen test.



<b>PTA 111</b>	<b>Kinesiology Laboratory for PTA Students</b>	<b>2 Units</b>	<b>PTA 122</b>	<b>Introduction to Clinical Practice</b>	<b>3 Units</b>
<i>Prerequisite: See enrollment limitations.</i>			<i>Prerequisite: PTA 120, 121, and 130 with grades of "C" or better</i>		
<i>Corequisite: PTA 110</i>			<i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i>		
<i>Enrollment Limitation: Enrollment into the Physical Therapist Assistant Program and completion of PTA 100, BIOL 430 &amp; 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.</i>			<i>Hours: 18 hours LEC; 112 hours LAB</i>		
<i>Hours: 108 hours LAB</i>			<i>This course provides students with the initial opportunity to observe physical therapy practice and perform selected delegated responsibilities with guidance, direction, and supervision. Students complete 112 hours in an assigned clinical setting. Assignments are determined by the program faculty and may be in acute, sub-acute, outpatient, skilled nursing and rehabilitation, or other type of physical therapy practice. Seminar, individual meeting, and online discussion topics include orientation to the clinical practice setting, discussion of clinical experiences and clinical practice issues, and self-assessment of performance. The course is graded on a Pass/No Pass basis.</i>		
<b>PTA 120</b>	<b>Beginning Procedures – Physical Therapy Modalities and Procedures</b>	<b>3.5 Units</b>	<b>PTA 130</b>	<b>Intermediate Procedures, Physical Therapy Modalities and Procedures</b>	<b>1 Unit</b>
<i>Prerequisite: PTA 110 and 111 with grades of "C" or better</i>			<i>Prerequisite: PTA 120 and 121 with grades of "C" or better</i>		
<i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program</i>			<i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program</i>		
<i>Hours: 45 hours LEC; 54 hours LAB</i>			<i>Hours: 9 hours LEC; 27 hours LAB</i>		
<i>This course introduces the theory and application of physical therapy modalities and procedures to include thermal agents, hydrotherapy, external compression, wound management, transfers and gait training, wheelchair fitting and mobility, and utilization of infection control procedures. Students develop skills in gathering data regarding vital signs, functional ability in gait and transfers, pain status, and integumentary integrity. Documentation procedures, including use of medical abbreviations and terminology, are practiced. Through laboratory activities and problem-solving with case studies, students develop skills in utilizing modalities and procedures in comprehensive implementation of the physical therapy plan of care. Class activities may include a field trip.</i>			<i>This course introduces theory and application of traction and electrotherapeutic modalities utilized by physical therapist assistants. Topics include the use of traction for pain relief and tissue healing, as well as electrical stimulation for pain management, muscle re-education, and tissue healing. Through case-based learning activities students integrate skills in data collection, traction, electrotherapeutic modalities, and other interventions for implementation of a comprehensive physical therapy plan of care.</i>		
<b>PTA 121</b>	<b>Disorders I – Selected Disorders Commonly Seen in Physical Therapy</b>	<b>3 Units</b>	<b>PTA 140</b>	<b>Therapeutic Exercise – Exercise Programs, Protocols and Procedures</b>	<b>3 Units</b>
<i>Prerequisite: PTA 110 and 111 with grades of "C" or better</i>			<i>Prerequisite: PTA 122 and 130 with grades of "C" or better</i>		
<i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i>			<i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>This course is designed as an overview of musculoskeletal, cardiovascular, respiratory, renal, endocrine, immune, gastrointestinal, genital and reproductive, hematologic, hepatic and biliary, lymphatic, and integumentary disorders relevant to the practice of physical therapy. Additional topics include: infectious disease, genetic disorders, neoplasms, peripheral nerve injury, and the effect of developmental, psychosocial, and cultural factors. Etiology, signs and symptoms, prognosis, and medical/surgical interventions for disorders are surveyed. Approaches to data collection and physical therapy interventions are introduced. Emphasis is placed on utilization of knowledge of medical disorders by physical therapist assistants within the context of implementing a comprehensive plan of care.</i>			<i>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.</i>		
<b>PTA 141</b>	<b>Disorders II – Nervous System Disorders</b>	<b>2 Units</b>			
<i>Prerequisite: PTA 122 and 130 with grades of "C" or better</i>			<i>Prerequisite: PTA 122 and 130 with grades of "C" or better</i>		
<i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i>			<i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i>		
<i>Hours: 36 hours LEC</i>			<i>Hours: 36 hours LEC</i>		
<i>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.</i>			<i>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.</i>		

<b>PTA 142 Clinical Practicum I 4.5 Units</b>	<b>PTA 153 Professional Issues in Physical Therapy 1 Unit</b>
<p><i>Prerequisite: AH 100, AH 106, PTA 140, and PTA 141 with grades of "C" or better</i></p> <p><i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i></p> <p><i>Hours: 243 hours LAB</i></p> <p>This course provides students with the opportunity to perform supervised delegated patient care responsibilities in a physical therapy clinical setting. Students complete a clinical practicum of six weeks (40 hours per week) at a facility assigned by the program faculty. The placement may be in an acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. Additionally, weekly on-line discussion board participation is required. The course is graded on a Pass/No Pass basis.</p>	<p><i>Prerequisite: PTA 140, 141, and 142 with grades of "C" or better</i></p> <p><i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i></p> <p><i>Hours: 18 hours LEC</i></p> <p>This course addresses professional practice issues in physical therapy to include organizational structure, budget, time management, and social responsibility. Students review and integrate information on physical therapy practice and laws and regulations in preparation for the national examination and the California jurisprudence examination.</p>
<b>PTA 150 Functional Activities &amp; Gait – Activities of Daily Living and Gait Training Techniques 3 Units</b>	<b>PTA 295 Independent Studies in Physical Therapist Assistant 1-3 Units</b>
<p><i>Prerequisite: PTA 140, 141, and 142 with grades of "C" or better</i></p> <p><i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i></p> <p><i>Hours: 36 hours LEC; 54 hours LAB</i></p> <p>This course presents the application of functional exercise and gait activities, with emphasis on the physical therapist assistant's role in comprehensive treatment of patients with cardiopulmonary disorders, adult or pediatric neurological disorders, and amputation. Data collection activities related to assessing cardiopulmonary status, functional abilities, gait, equipment and assistive devices, and home and community environment are included. Students practice implementation of interventions to include aerobic exercise principles, endurance training for patients with cardio-pulmonary disorders, pulmonary hygiene techniques, functional activities and gait, activities of daily living, developmental activities, management of prosthetics and orthotics, management of wheelchairs and other equipment, and client/family education.</p>	<p><i>Prerequisite: None.</i></p> <p><i>Hours: 162 hours LAB</i></p> <p>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.</p>
<b>PTA 151 Advanced Procedures- Advanced Modalities and Treatment Procedures 1 Unit</b>	<b>PTA 299 Experimental Offering in Physical Therapist Assistant .5-4 Units</b>
<p><i>Prerequisite: PTA 140, 141, and 142 with grades of "C" or better</i></p> <p><i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i></p> <p><i>Hours: 9 hours LEC; 27 hours LAB</i></p> <p>This course introduces the theory and application of massage, soft tissue mobilization techniques, and biofeedback by physical therapist assistants. Through laboratory practice and case-based learning activities, students develop skills in utilizing these modalities and procedures in comprehensive implementation of the physical therapy plan of care.</p>	<p><i>Prerequisite: None</i></p> <p><i>Hours: 48 hours LEC; 72 hours LAB</i></p> <p>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.</p>
<b>PTA 152 Clinical Practicum II 4.5 Units</b>	
<p><i>Prerequisite: PTA 150, 151, and 153 with grades of "C" or better</i></p> <p><i>Enrollment Limitation: Enrollment in the Physical Therapist Assistant Program.</i></p> <p><i>Hours: 243 hours LAB</i></p> <p>This course provides students with the opportunity to perform supervised delegated patient care in a physical therapy clinical setting. This is the final clinical assignment during the program. Students complete a clinical practicum of six weeks (40 hours per week) at a facility assigned by the program faculty. The placement may be in an acute, sub-acute, out-patient, skilled nursing and rehabilitation, or other type of physical therapy practice. This assignment will be at a facility which differs from previous clinical assignments. Additionally, weekly online discussion board participation is required. The course is graded on a Pass/No Pass basis.</p>	

**Physics      PHYS**

**Division of Science and Allied Health**  
**James Collins, Dean**  
**South Gym, room 220**  
**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; IGETC Area 5C*

*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). (C-ID PHYS 105)

**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; IGETC Area 5C*

*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, geometric and wave optics, special relativity, atomic structure, quantum physics, and nuclear 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; IGETC Area 5C*

*Course Transferable to UC/CSU*

*Hours: 72 hours LEC; 54 hours LAB ; 18 hours DIS*

Topics covered in this class include linear and rotational motion, Newton's laws, dynamics of rigid bodies, harmonic motion, and fluid statics. This course is for physics, mathematics, chemistry, architecture, and engineering majors. (C-ID PHYS 205; Part of C-ID PHYS 200S)

**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; IGETC Area 5C*

*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; Part of C-ID PHYS 200S)

**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; IGETC Area 5C*

*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; Part of C-ID PHYS 200S)

**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 CSU*

*Hours: 162 hours LAB*

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

Kasey Gardner, Dean

Rodda Hall North, room 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 fully appreciated in the heart of California's capital. Faculty provide a strong orientation to the world of politics by blending theory and real-world activities, which students will value throughout their academic and professional careers.

#### 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)

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)

#### 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.*

## 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 for seamless transfer in Political Science at the California State University while also serving the diverse needs of students interested in the breadth and depth of the field. This program will expose students to some of the principles and techniques of political science and help students build a foundation for their personal, academic, or professional interests. Sacramento City College offers a unique political science experience that combines both the science and art of politics that can only be appreciated in the heart of California's capital. Faculty provide a strong orientation to the world of politics by blending theory and real-world activities, which students will value throughout their academic and professional careers.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

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

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

#### 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.

<b>Required Program</b>	<b>Units</b>
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
COMM 335 Conflict Management (3)	
ECON 302 Principles of Macroeconomics (3)	
HIST 311 History of the United States (3)	
or HIST 484 History of the United States – Honors (3)	
PHIL 368 Law, Justice, and Punishment (3)	
POLS 303 Contemporary Politics of Africa (3)	
POLS 304 Introduction to Government: California (3)	
POLS 312 Politics of the Middle East (3)	
POLS 313 Latin America (3)	
POLS 322 Political Ideologies (3)	
POLS 340 Women in Politics (3)	
SOC 345 Global Women's Issues (3)	
or WGS 302 Global Women's Issues (3)	
<b>Total Units Required</b>	<b>18</b>

#### **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:      3 Units United States**

*Prerequisite: None.*  
*Advisory: ENGWR 300 with a grade of "C" or better*  
*General Education: AA/AS Area V(a); AA/AS Area V(b); 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. (C-ID POLS 110)

### **POLS 302      Introduction to Government:      3 Units Foreign**

*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*  
The political systems of selected nations such as Great Britain, France, Germany, Russia, Japan, Mexico, People's Republic of China, India, South Africa, and Cuba are analyzed. The course will also compare the formation of language, culture, religion, and political institutions, and the role of political culture, political parties, and public policy. (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:      3 Units California**

*Prerequisite: None.*

*Advisory: ENGWR 300 with a grade of "C" or better*

*General Education: AA/AS Area V(a); AA/AS Area V(b); 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      3 Units Relations**

*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)

<b>POLS 312      Politics of the Middle East      3 Units</b>	<b>POLS 322      Political Ideologies      3 Units</b>
<i>Prerequisite: None.</i> <i>Advisory: ENGWR 300 with a grade of "C" or better</i> <i>General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D8; IGETC Area 4H</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i>	<i>Prerequisite: None.</i> <i>Advisory: ENGWR 300 with a grade of "C" or better</i> <i>General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i>
<p>This course covers the government and politics of selected nations within the Middle East and North Africa (MENA) in order to provide an understanding of the institutions and dynamics of the area as a whole. It covers the region's political history through the Ottoman Empire, colonialism, independence, and the modern-day challenges of economic globalization and foreign intervention. The impact of economics, colonialism, struggles over natural resources, religious movements, social and cultural struggles, and ideology will be examined in the region on a country-by-country and regional basis. The course will also analyze ethnicity, ethnocentrism, and/or racism and how they shape and explain ethnic experiences. The question of Palestine and the Palestine-Israel conflict will be closely examined as a core issue in the politics of the region. The course includes an examination of dominant political institutions, actors, processes, and grassroots movements within the context of political culture and history and an analysis of area political economy and foreign policy in an environment of global interdependence. Countries to be covered include, but are not limited to, Saudi Arabia, Iran, Egypt, Palestine, Israel, Jordan, Iraq, Syria, Lebanon, Libya, Tunisia, and Algeria. In this course, students will be introduced to the comparative politics of the Middle East and North Africa with a heavy emphasis on the political and economic roots of contemporary events.</p>	<p>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.</p>
<b>POLS 313      Latin America      3 Units</b>	<b>POLS 340      Women in Politics      3 Units</b>
<i>Prerequisite: None.</i> <i>Advisory: ENGWR 101 or ESLW 320 with a grade of "C" or better</i> <i>General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4H</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i>	<i>Prerequisite: None.</i> <i>Advisory: ENGWR 300 with a grade of "C" or better</i> <i>General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4H</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i>
<p>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.</p>	<p>In this course, students will learn about current problems affecting women's political participation, particularly running for office, in the United States. Students will analyze the role and impact of cultural attitudes and traditions, self-perceptions, and political groups affecting women's political participation in America. Students will also critique current studies of eligible women candidates and the decision to run for office, including political ambition, familial issues, political recruitment, perceptions of the electoral environment and campaign process, and gender gap to determine future goals of improving women's representation in electoral politics.</p>
<b>POLS 320      Introduction to Political Theory      3 Units</b>	<b>POLS 350      Environmental Politics      3 Units</b>
<i>Prerequisite: None.</i> <i>Advisory: ENGWR 300 with a grade of "C" or better</i> <i>General Education: AA/AS Area V(b); CSU Area D8; IGETC Area 4</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i>	<i>Prerequisite: None.</i> <i>Advisory: ENGWR 300 with a grade of "C" or better</i> <i>General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i>
<p>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)</p>	<p>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.</p>
<b>POLS 480      Introduction to International Relations – Honors      3 Units</b>	
<i>Prerequisite: None.</i> <i>Advisory: ENGWR 300 with a grade of "C" or better</i> <i>General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D8; IGETC Area 4H</i> <i>Enrollment Limitation: Eligibility for admission to the Honors Program.</i> <i>Course Transferable to UC/CSU</i> <i>Hours: 54 hours LEC</i>	

<b>POLS 481</b>	<b>Introduction to Government: United States – Honors</b>	<b>3 Units</b>	<b>POLS 497</b>	<b>Internship in Political Science</b>	<b>1-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>General Education: AA/AS Area V(a); CSU Area D8; CSU Area F2; CSU Area F3; IGETC Area 4H</i>			<i>Enrollment Limitation: According to Education Code Title 5 regulations, a student must be in a paid or unpaid job, volunteer position, or internship.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 2 hours LEC; 300 hours LAB</i>		
In this course students will examine principles and problems of government, the political process, and democracy as practiced in the United States. The classes are conducted in a seminar format and requires a higher level of student academic engagement and course preparation, with at least four texts and readers. This honors section uses an intensive instructional methodology with extensive research projects on American institutions designed to challenge motivated students. (C-ID POLS 110)			According to Title 5, code 55252, an Internship in Political Science is supervised employment extending classroom – based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job, volunteer position or internship directly related to their major. The course will provide students with a structured program designed to teach them new soft skills and employability skills that will assist them in securing a job in the future and an opportunity to explore occupational interests that will assist them in the academic major and career decision making process. The student must have a job, volunteer, or internship position secured to remain enrolled in the course. Course content includes understanding the application of education to the workforce; responsibilities of an intern or employee in a workforce setting; completion of Title 5 Education Code documents (i.e. Student Application, Learning Objectives, Time Sheet, and Evaluation), that document the student's progress and hours spent in the workplace; and development of workplace soft skills and employability skills relevant to the 21st century workplace. Learning objectives will be developed between the student, employer, and Work Experience/Internship Instructor to best meet the student's level of learning. The student will be required to attend an orientation at the beginning of the course and complete a minimum of 75 hours to a maximum of 300 hours of paid work; or a minimum of 60 hours to a maximum 240 hours of unpaid work per unit per semester. This course consists of a supervised internship and study in political, governmental, or related organizations.		
<b>POLS 494</b>	<b>Topics in Political Science</b>	<b>.5-4 Units</b>			
<i>Prerequisite: None.</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 72 hours LEC</i>					
Content will differ each time course is offered. The objective is to focus content on topics and issues of local, national, or international significance at the time of offering course. (Credit may be earned for HIST 494 or POLS 494, but not for both.) UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.					
<b>POLS 495</b>	<b>Independent Studies in Political Science</b>	<b>1-3 Units</b>	<b>POLS 499</b>	<b>Experimental Offering in Political Sciences</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None</i>		
<i>Advisory: ENGWR 300 with a grade of "C" or better</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 54 hours LEC</i>		
<i>Hours: 162 hours LAB</i>			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.		
An independent studies project involves an individual student or a small group of students in study, research, or activities beyond the regularly offered political science courses. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.					

## Pre-Professional Majors

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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

## 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 488; 301, and 302 or 482  
 COMM 301  
 STAT 300 or 480  
 Humanities and Social Science (minimum of 9 semester units)

## 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, medical 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.

**Psychology****PSYC****Degrees:**

- A.A. – Psychology**
- AA-T – Psychology for Transfer**

**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)	

**Division of Behavioral and Social Science**

**Kasey Gardner, Dean**

**Rodda Hall North, room 226**

**916-558-2401**

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.

**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 Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a “C” or better in all courses required for the major or area of emphasis.

**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.

<b>Required Program</b>	<b>Units</b>
PSYC 300 General Principles (3) ..... or PSYC 480 Honors General Principles (3)	3
PSYC 310 Biological Psychology .....	3
PSYC 335 Research Methods in Psychology .....	3
STAT 300 Introduction to Probability and Statistics (4) ..... or STAT 480 Introduction to Probability and Statistics – Honors (4)	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 <sup>1</sup>
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)	
<b>Total Required Units</b>	<b>19</b>

<sup>1</sup>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: AA/AS Area IV; CSU Area B3; IGETC Area 5C*

*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.

<b>PSYC 314      Animal Behavior and Cognition      3 Units</b>	<b>PSYC 320      Social Psychology      3 Units</b>
<i>Prerequisite: None.</i>	<i>Prerequisite: None.</i>
<i>Advisory: ANTH 300, BIOL 100, or PSYC 300 with a grade of "C" or better</i>	<i>Advisory: ENGWR 101 or ENGRD 310 with a grade of "C" or better</i>
<i>General Education: AA/AS Area IV; CSU Area D9</i>	<i>General Education: AA/AS Area V(b); CSU Area D9; IGETC Area 4I</i>
<i>Course Transferable to CSU</i>	<i>Course Transferable to UC/CSU</i>
<i>Hours: 54 hours LEC</i>	<i>Hours: 54 hours LEC</i>
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.	This course provides students with an introduction to the scientific study of how people think about, influence, and relate to one another. Students become familiar with the major domains of social psychology and the relevance of social psychology to daily life. Topics covered include the history and perspectives of social psychology, foundational studies and current research, research methods utilized in social psychology, social cognition and perception, the power of the situation, sociocultural and biological influences on social behaviors and cognition, group processes, the effects of mass communication on social behaviors and cognition, aggression, prejudice, stereotyping and discrimination, love and attraction, and altruism. (C-ID PSY 170)
<b>PSYC 315      Psychopharmacology      3 Units</b>	<b>PSYC 335      Research Methods in Psychology      3 Units</b>
<i>Prerequisite: None.</i>	<i>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.</i>
<i>Advisory: BIOL 100, PSYC 300, and PSYC 310 with grades of "C" or better.</i>	<i>Advisory: ENGWR 101 and LIBR 318 with grades of "C" or better</i>
<i>General Education: AA/AS Area IV</i>	<i>General Education: AA/AS Area II(b); CSU Area D9; IGETC Area 4I</i>
<i>Course Transferable to CSU</i>	<i>Course Transferable to UC/CSU</i>
<i>Hours: 54 hours LEC</i>	<i>Hours: 36 hours LEC; 54 hours LAB</i>
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.	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)
<b>PSYC 316      Cognitive Psychology      3 Units</b>	<b>PSYC 340      Abnormal Behavior      3 Units</b>
<i>Prerequisite: PSYC 300 with a grade of "C" or better</i>	<i>Prerequisite: PSYC 300 with a grade of "C" or better</i>
<i>Advisory: BIOL 100 with a grade of "C" or better</i>	<i>Advisory: ENGRD 110 and/or ENGWR 101 with a grade of "C" or better, or placement through the assessment process.</i>
<i>General Education: AA/AS Area IV; CSU Area D9; IGETC Area 4I</i>	<i>General Education: AA/AS Area V(b); CSU Area D9; CSU Area E1; IGETC Area 4I</i>
<i>Course Transferable to UC/CSU</i>	<i>Course Transferable to UC/CSU</i>
<i>Hours: 54 hours LEC</i>	<i>Hours: 54 hours LEC</i>
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.	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 41  
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 41*

*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 D; CSU Area E1; IGETC Area 41*

*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 D; IGETC Area 4*

*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 D; IGETC Area 41*

*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.

<b>PSYC 370</b>	<b>Human Development: A Life Span</b>	<b>3 Units</b>	<b>PSYC 392</b>	<b>Loss and Grief</b>	<b>2 Units</b>
<i>Same As: FCS 324</i>			<i>Prerequisite: None.</i>	<i>General Education: AA/AS Area III(b); CSU Area D9; CSU Area E1</i>	
<i>Prerequisite: None.</i>			<i>Course Transferable to CSU</i>		
<i>Advisory: ENGWR 101 and ENGRD 110, or ESLW 340 and ESLR 340; and ESL 114 with grades of "C" or better.</i>			<i>Hours: 36 hours LEC</i>		
<i>General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4</i>			<i>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.</i>		
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 54 hours LEC</i>					
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)					
<b>PSYC 374</b>	<b>Psychology of Aging: Adult Development and Aging</b>	<b>3 Units</b>	<b>PSYC 405</b>	<b>Substance Abuse: Effects on Body and Behavior</b>	<b>3 Units</b>
<i>Same As: GERON 302</i>			<i>Same As: ADMJ 303</i>		
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGRD 110 and ENGWR 101, OR ESLW 340 and ESLW 340 and ESL 114, and FCS 324/PSYC 370, and LIBR 318 with grades of "C" or better</i>			<i>Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better</i>		
<i>General Education: AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area ; IGETC Area 4I</i>			<i>General Education: AA/AS Area III(b)</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>		
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.			This course will educate students in drug identification, signs and symptomatology, methods of use, duration of effect, behaviors, addiction, and treatment options. The course examines historical and contemporary perspectives of substance abuse issues, epidemiologic data used to establish the prevalence, incidence, and identity of at risk groups, and trends of substances of abuse and approaches to treatment. This course is especially advised for people who are seeking or working in careers in health, law enforcement, counseling, psychology, business, social services, or teaching. Credit may be earned for either PSYC 405 or ADMJ 303, but not for both.		
<b>PSYC 390</b>	<b>Psychology of Death and Dying</b>	<b>3 Units</b>	<b>PSYC 410</b>	<b>Psychology of Creativity, Intuition and Problem Solving</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGRD 110 and ENGWR 51 with grades of "C" or better</i>			<i>Advisory: ENGRD 110, ENGWR 51, and PSYC 300 with grades of "C" or better, or placement through the assessment process.</i>		
<i>General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D9; CSU Area E1; IGETC Area 4I</i>			<i>General Education: AA/AS Area III(b); CSU Area E1</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>		
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.			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.		
<b>PSYC 412</b>	<b>The Heroic Journey</b>	<b>2 Units</b>			
<i>Prerequisite: None.</i>					
<i>Advisory: ENGRD 110 or ENGWR 51 with grades of "C" or better</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 36 hours LEC</i>					
Using ideas from Lao Tzu, Campbell, Jung, Pearson, Bolen, et al., the course will promote an understanding of the heroic journey of everyday people. The functions, processes, and totems of archetypal stations of the Tao of life such as juggler, jester, altruist, warrior, wanderer, etc. will be shared. The heroic journey will be viewed as metaphor for psychological wounding and healing, fragmentation and individuation, and joining with other sentient beings in the processes of becoming whole.					

<b>PSYC 480 Honors General Principles 3 Units</b>	<b>PSYC 495 Independent Studies in Psychology 1-3 Units</b>
<p><i>Prerequisite: ENGWR 101 with a grade of "C" or better; or placement through the assessment process.</i></p> <p><i>Advisory: LIBR 318 with a grade of "C" or better.</i></p> <p><i>General Education: AA/AS Area III(b); CSU Area D9; IGETC Area 4I</i></p> <p><i>Enrollment Limitation: Eligibility for the Honors Program.</i></p> <p><i>Course Transferable to UC/CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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)</p>	<p><i>Prerequisite: None.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 162 hours LAB</i></p> <p>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.</p>
<b>PSYC 489 Topics in Psychology – Honors .5-4 Units</b>	<b>PSYC 499 Experimental Offering in Psychology .5-4 Units</b>
<p><i>Prerequisite: ENGWR 101 with a grade of "C" or better; or placement through the assessment process.</i></p> <p><i>Enrollment Limitation: Eligibility for the Honors program.</i></p> <p><i>Course Transferable to UC/CSU</i></p> <p><i>Hours: 72 hours LEC</i></p> <p>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.</p>	<p><i>Prerequisite: None</i></p> <p><i>Course Transferable to UC/CSU</i></p> <p><i>Hours: 54 hours LEC</i></p> <p>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.</p>
<b>PSYC 494 Topics in Psychology .5-4 Units</b>	
<p><i>Prerequisite: None.</i></p> <p><i>Course Transferable to CSU</i></p> <p><i>Hours: 72 hours LEC</i></p> <p>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</p>	

**Railroad Operations****RAILR**

**Degree:**  
A.S. – Railroad Operations

**Certificate of Achievement:**  
Railroad Operations

**Division of Advanced Technology**  
Donnetta Webb, Dean  
Technology, room 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.

<b>RAILR 122 Railroad Safety, Quality, and Environment</b>	<b>3 Units</b>	<b>RAILR 294 Topics in Railroad Operations .5-4 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>
<i>Hours: 54 hours LEC</i>		<i>Hours: 72 hours LEC; 162 hours LAB</i>
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.		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.
<b>RAILR 140 Railroad General Code of Operating Rules</b>	<b>4 Units</b>	<b>RAILR 295 Independent Studies in Railroad Operations 1-3 Units</b>
<i>Prerequisite: RAILR 120 and 122 with grades of "C" or better</i>		<i>Prerequisite: None.</i>
<i>Hours: 72 hours LEC</i>		<i>Hours: 162 hours LAB</i>
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.		This is an independent studies course. The topics are to be arranged between the instructor and student.
<b>RAILR 142 Railroad Field Operations</b>	<b>3 Units</b>	<b>RAILR 299 Experimental Offering in Railroad Operations .5-4 Units</b>
<i>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.</i>		<i>Prerequisite: None</i>
<i>Hours: 48 hours LEC; 24 hours LAB</i>		<i>Hours: 54 hours LEC; 108 hours LAB</i>
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.		See Experimental Offerings
<b>RAILR 144 Railroad Air Brakes</b>	<b>3.5 Units</b>	
<i>Prerequisite: None.</i>		
<i>Advisory: RAILR 120 and RAILR 122 with grades of "C" or better.</i>		
<i>Hours: 54 hours LEC; 27 hours LAB</i>		
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.		

**Recreation RECR**

Division of Kinesiology, Health, and Athletics  
Mitchell Campbell, Dean/Athletic Director  
Hughes Stadium, Section 1B  
916-558-2425

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**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.

**Degree:****A.A. – Sociology****AA-T – Sociology for Transfer****Division of Behavioral and Social Science****Kasey Gardner, Dean****Rodda Hall North, room 226****916-558-2401****Sociology****Associate in Arts Degree**

The sociology program at Sacramento City College offers a number of classes and hands on opportunities for students to develop a sociological imagination and an applied skill set. Students are exposed to the theoretical and critical thinking framework that promotes a sophisticated understanding of social interaction and provides an excellent foundation for transfer to a four-year institution or entry into the work force. The sociology program offers related degrees in community studies and intercultural studies as well as emphases in women and gender studies, crime and justice studies, and environmental studies. The department has a shared value of social justice that underscores the program and related student opportunities. Students can gain valuable tools in direct service, research, deviance and crime, and community development that support the professional proficiency needed for jobs in the growing fields of community planning and development, education, law and law enforcement, many profit and non-profit sectors, and social work.

**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 and apply the core principles of the sociological perspective to the study of social institutions and everyday life.
- assess, analyze, and apply sociological theories and social research methods.
- examine and develop an understanding of the social construction of reality and social categories.
- evaluate the processes of social inequality, stratification and agency through a social justice lens.

**Required Program****Units**

SOC 300 Introductory Sociology (3) .....	3
or SOC 480 Introductory Sociology – Honors (3)	
SOC 301 Social Problems (3) .....	3
or SOC 481 Social Problems – Honors (3)	

SOC 321 Race, Ethnicity and Inequality in the United States (3) ..... 3

or SOC 482 Race, Ethnicity and Inequality in the United States – Honors (3)

A minimum of 6 units from the following: ..... 6

SOC 302 Introduction to Social Research Methods (3)

SOC 305 Critical Thinking in the Social Sciences (3)

FCS 320 Marriage and the Family (3)

or SOC 310 Marriage and the Family (3)

SOC 318 Introduction to Crime, Deviance, and Social Control (3)

or ADMJ 349 Introduction to Crime, Deviance, and Social Control (3)

SOC 341 Sex and Gender in the U.S. (3)

A minimum of 3 units from the following: ..... 3

Any course not used from previous list or any course from the following list.

PSYC 320 Social Psychology (3)

SOC 319 Sociology of Law and Justice (3)

GERON 300 Sociology of Aging (3)

or SOC 335 Sociology of Aging (3)

SOC 343 Women and Social Action (3)

SOC 344 Sociology of Women's Health (3)

SOC 345 Global Women's Issues (3)

or WGS 302 Global Women's Issues (3)

WGS 304 Women, Globalization, and Human Rights (3)

or SOC 347 Women, Globalization, and Human Rights (3)

SOC 350 Sociology of Popular Culture (3)

SOC 375 Introduction to Community Development (3)

SOC 380 Introduction to Social Services (3)

SOC 382 Introduction to Casework in Social Services (3)

SOC 385 Practicum in Sociology (1 – 4)

**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.

**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 program at Sacramento City College offers a number of classes and hands on opportunities for students to develop a sociological imagination and an applied skill set. Students are exposed to the theoretical and critical thinking framework that promotes a sophisticated understanding of social interaction and provides an excellent foundation for transfer to a four-year institution or entry into the work force. The sociology program offers related degrees in community studies and intercultural studies as well as emphases in women and gender studies, crime and justice studies, and environmental studies. The department has a shared value of social justice that underscores the program and related student opportunities. Students can gain valuable tools in direct service, research, deviance and crime, and community development that support the professional proficiency needed for jobs in the growing fields of community planning and development, education, law and law enforcement, many profit and non-profit sectors, and social work.

The Associate Degree for Transfer (ADT) student completion requirements (as stated in SB1440 law):

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

ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.

### 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:

- articulate and apply the core principles of the sociological perspective to the study of social institutions and everyday life.
- assess, analyze, and apply sociological theories and social research methods.
- examine and develop an understanding of the social construction of reality and social categories.
- evaluate the processes of social inequality, stratification and agency through a social justice lens.

### Required Program

### Units

SOC 300 Introductory Sociology (3) .....	3
or SOC 480 Introductory Sociology – Honors (3)	
SOC 301 Social Problems (3) .....	3
or SOC 481 Social Problems – Honors (3)	

STAT 300 Introduction to Probability and Statistics (4) .....

4

or STAT 480 Introduction to Probability and Statistics – Honors (4)

A minimum of 6 units from the following: .....

6

    SOC 302 Introduction to Social Research Methods (3)

    SOC 305 Critical Thinking in the Social Sciences (3)

    FCS 320 Marriage and the Family (3)

        or SOC 310 Marriage and the Family (3)

    ADMJ 349 Introduction to Crime, Deviance, and Social Control (3)

        or SOC 318 Introduction to Crime, Deviance, and Social Control (3)

    SOC 482 Sociology of Race, Ethnicity and Inequality in the United States – Honors (3)

        or SOC 321 Race, Ethnicity and Inequality in the United States (3)

    SOC 341 Sex and Gender in the U.S. (3)

A minimum of 3 units from the following: .....

3

    Any course not already used above or from the following list.

    PSYC 320 Social Psychology (3)

    SOC 319 Sociology of Law and Justice (3)

    GERON 300 Sociology of Aging (3)

        or SOC 335 Sociology of Aging (3)

SOC 343 Women and Social Action (3)

SOC 344 Sociology of Women's Health (3)

WGS 302 Global Women's Issues (3)

    or SOC 345 Global Women's Issues (3)

WGS 304 Women, Globalization, and Human Rights (3)

    or SOC 347 Women, Globalization, and Human Rights (3)

SOC 350 Sociology of Popular Culture (3)

SOC 375 Introduction to Community Development (3)

SOC 380 Introduction to Social Services (3)

SOC 382 Introduction to Casework in Social Services (3)

SOC 385 Practicum in Sociology (1 – 4)

### 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)

<b>SOC 99</b>	<b>Workplace Success: A Sociological Map to Succeeding in the Workplace</b>	<b>3 Units</b>
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*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 and non-degree applicable course designed for students in need of strategies to help them attain success in the workplace.

<b>SOC 300</b>	<b>Introductory Sociology</b>	<b>3 Units</b>
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*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)

<b>SOC 301</b>	<b>Social Problems</b>	<b>3 Units</b>
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*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 contemporary social problems at the global, national, regional, and local level from a sociological perspective.

Students will explore the social causes and consequences of problems and interventions, analyze the role of power and ideology, and evaluate proposed solutions. (C-ID SOCI 115)

<b>SOC 302</b>	<b>Introduction to Social Research Methods</b>	<b>3 Units</b>	<b>SOC 318</b>	<b>Introduction to Crime, Deviance, and Social Control</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Same As: ADMJ 349</i>		
<i>Advisory: ENGWR 300 (College Composition) or ESLW 340, and STAT 300 with grades of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>General Education: AA/AS Area II(b); CSU Area D0; IGETC Area 4J</i>			<i>Advisory: ENGRD 110 and ENGWR 101, or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better</i>		
<i>Course Transferable to UC/CSU</i>			<i>General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Course Transferable to UC/CSU</i>		
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)			<i>Hours: 54 hours LEC</i>		
<b>SOC 305</b>	<b>Critical Thinking in the Social Units Sciences</b>	<b>3</b>	<b>SOC 319</b>	<b>Sociology of Law and Justice</b>	<b>3 Units</b>
<i>Prerequisite: ENGWR 300 with a grade of "C" or better, or the equivalent</i>			<i>Prerequisite: None.</i>		
<i>General Education: AA/AS Area V(b); AA/AS Area II(b); CSU Area A3; IGETC Area 1B</i>			<i>Advisory: ENGRD 110 and ENGWR 101, or ESLW 340 and ESLR 340, with grades of "C" or better. LIBR 318 with grade of "C" or better</i>		
<i>Course Transferable to UC/CSU</i>			<i>General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4</i>		
<i>Hours: 54 hours LEC</i>			<i>Course Transferable to UC/CSU</i>		
This course examines the definitional and contextual nature of social issues. It develops a "critical thinking" approach, which integrates interdisciplinary principles and incorporates a comparative foundation utilizing literary criticism, logic, argumentation, and persuasion to analyze and compare the framing and validity of social problems. This course specifically explores how the media and scientific community collect, interpret, and report social data. Combining critical thinking tools with the sociological perspective will help students to question the assumptions that surround social phenomena and influence human behavior.			<i>Hours: 54 hours LEC</i>		
<b>SOC 310</b>	<b>Marriage and the Family</b>	<b>3 Units</b>	<b>SOC 321</b>	<b>Race, Ethnicity and Inequality in the United States</b>	<b>3 Units</b>
<i>Same As: FCS 320</i>			<i>Prerequisite: None.</i>		
<i>Prerequisite: None.</i>			<i>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</i>		
<i>General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D7; CSU Area E1; IGETC Area 4G</i>			<i>General Education: AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4J</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>		
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)			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)		

<b>SOC 335      Sociology of Aging</b>	<b>3 Units</b>	<b>SOC 345      Global Women's Issues</b>	<b>3 Units</b>
<i>Same As: GERON 300</i>		<i>Same As: WGS 302</i>	
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>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.</i>		<i>Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better OR ESLW 340 and ESLR 340 with grades of "C" or better</i>	
<i>General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D0; CSU Area E1; IGETC Area 4J</i>		<i>General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
In this course students will examine the aging process with emphasis on social factors affecting and effected by an aging population. The course includes an analysis of demographics, history of aging in America, social conditions, resources and support systems, employment, retirement, social class, and cultural differences. Students will be encouraged to reflect on their status in the sociology of aging process. (Credit awarded for GERON 300 or SOC 335.)		The course will consider the conditions of women's lives from the perspectives of global and transnational feminism, examining issues such as immigration, girls' education, maternal health, globalization, economics, war and conflict, gender-based violence, and political activism. Students will seek to understand women's lives by connecting global data about the status of women to material consequences for individual women and local communities. Using gender as a theoretical category of analysis, the course will explore how gender inequality and oppression create disproportionate suffering and lack of opportunities for women and girls. Students will learn to ask critical questions about the complex and intersecting aspects of the oppression of women, as well as develop an understanding of the culturally situated, creative, and heroic ways women are standing up to gender oppression and shaping change within their local communities and nations. Credit may be awarded for either WGS 302 or SOC 345 but not for both. WGS 302 was formerly known as SOCSC 352.	
<b>SOC 341      Sex and Gender in the U.S.</b>	<b>3 Units</b>	<b>SOC 347      Women, Globalization, and Human Rights</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Same As: WGS 304</i>	
<i>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.</i>		<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area V(b); CSU Area D; CSU Area E1; IGETC Area 4</i>		<i>Advisory: ENGRD 110 and ENGWR 101 or ESLR 340 and ESLW 340, with grades of "C" or better.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 54 hours LEC</i>		<i>Hours: 54 hours LEC</i>	
This course focuses on gender relations in American society. It examines historical, social, economic, political, and cultural forces in shaping gender identity and gender roles. The goal of the course is to utilize sociological theories to explain gender experience as socially constructed rather than biologically determined. Specifically, the course examines the experience of people of diverse economic, racial, and ethnic origins within a historical and cross-cultural perspective. (C-ID SOCI 140)		Through global and transnational feminist perspectives, this course provides an overview of human rights ideas and frameworks, including the history and ongoing implementation of United Nations conventions, treaties, and campaigns concerning women. The course will consider the complex and gendered social, economic, and political impacts of globalization on women and girls around the world. Students will learn to critically engage with theories, approaches, and representation related to improving the lives of women in the global context and will learn about key human rights defenders who are recognized for their activism. Students will consider their own place in a globalized world and utilize course knowledge to think about their role in creating justice in the world. Credit may be awarded for either WGS 304 or SOC 347 but not for both.	
<b>SOC 343      Women and Social Action</b>	<b>3 Units</b>	<b>SOC 350      Sociology of Popular Culture</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>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.</i>		<i>General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4</i>	
<i>General Education: AA/AS Area V(b); CSU Area D; IGETC Area 4</i>		<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>		<i>Hours: 54 hours LEC</i>	
<i>Hours: 54 hours LEC</i>		This course analyzes the historical development and emergence of American popular culture and the relationship between contemporary popular culture, social institutions, and collective behavior.	
<b>SOC 344      Sociology of Women's Health</b>	<b>3 Units</b>		
<i>Prerequisite: None.</i>			
<i>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.</i>			
<i>General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D; CSU Area E1; IGETC Area 4</i>			
<i>Course Transferable to UC/CSU</i>			
<i>Hours: 54 hours LEC</i>			
This course provides a sociological analysis of health issues that concern women throughout their lives. The impact of physiology, psychology, culture, society, and politics upon women's well-being will be addressed using the feminist perspective.			

<b>SOC 375</b>	<b>Introduction to Community Development</b>	<b>3 Units</b>	<b>SOC 480</b>	<b>Introductory Sociology – Honors</b>	<b>3 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>Advisory:</i> ENGWR 101 or ESLW 340 with a grade of "C" or better.			<i>General Education:</i> AA/AS Area V(b); CSU Area D0; IGETC Area 4J		
<i>General Education:</i> CSU Area D0			<i>Enrollment Limitation:</i> Eligibility for the Honors Program		
<i>Course Transferable to CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours:</i> 54 hours LEC			<i>Hours:</i> 54 hours LEC		
This course draws from a sociological perspective to explore social problems, community building, and the basic principles and practices of community development and social change. Students will analyze successful models of community-based problem-solving interventions and practices.			This course examines human behavior as it is affected by social forces. Concepts such as culture, social institutions, social stratification, social change, and social control will be analyzed from both a micro and macro-sociological perspective. This course is designed for students from all academic disciplines interested in an honors experience who are motivated to learn the sociological perspective and how it can be applied to all aspects of the human experience. The class is structured as a seminar in which students will be responsible for developing qualitative and/or quantitative analyses of controversial issues while drawing on classical and contemporary sociological theory to frame classroom activities. Students will utilize primary sources from sociological works and examine the texts and research via oral and written assignments, as well as with experiential activities and presentations. Credit may be earned for SOC 480 or SOC 300, but not both. (C-ID SOCI 110)		
<b>SOC 380</b>	<b>Introduction to Social Services</b>	<b>3 Units</b>	<b>SOC 481</b>	<b>Social Problems – Honors</b>	<b>3 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>Advisory:</i> ENGWR 101 and ENGRD 110 or ESLR 340 and ESLW 340 with grades of "C" or better.			<i>Advisory:</i> 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.		
<i>General Education:</i> AA/AS Area V(b)			<i>General Education:</i> AA/AS Area V(b); CSU Area D; IGETC Area 4		
<i>Course Transferable to CSU</i>			<i>Enrollment Limitation:</i> Eligibility for the Honors Program		
<i>Hours:</i> 54 hours LEC			<i>Course Transferable to UC/CSU</i>		
This course provides a comprehensive overview of social services. Students will study the full range of organized activities of private, non-profit, and public sector organizations that seek to prevent, alleviate, or contribute to the solutions of recognized social problems or to improve the well-being of individuals, groups, or communities. This is the introductory course for students interested in careers in applied sociology. This course provides a multicultural perspective and the opportunity to practice developing skills of critical analysis.			<i>Hours:</i> 54 hours LEC		
<b>SOC 382</b>	<b>Introduction to Casework in Social Services</b>	<b>3 Units</b>	This course examines contemporary social problems at the global, national, regional, and local level from a sociological perspective. Students will explore the social causes and consequences of problems and interventions, analyze the role of power and ideology, and evaluate proposed solutions. This honors section uses an intensive seminar style of instructional methodology with extensive research projects on social problems designed to challenge motivated students. This course is not open to students who have completed SOC 301. (C-ID SOCI 115)		
<b>SOC 385</b>	<b>Practicum in Sociology</b>	<b>1-4 Units</b>	<b>SOC 482</b>	<b>Race, Ethnicity and Inequality in the United States – Honors</b>	<b>3 Units</b>
<i>Prerequisite:</i> None.			<i>Prerequisite:</i> None.		
<i>Advisory:</i> ENGWR 101 with a grade of "C" or better.			<i>Advisory:</i> 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.		
<i>General Education:</i> AA/AS Area V(b)			<i>General Education:</i> AA/AS Area V(b); AA/AS Area VI; CSU Area D; IGETC Area 4		
<i>Course Transferable to CSU</i>			<i>Enrollment Limitation:</i> Eligibility for admission to the Honors Program.		
<i>Hours:</i> 18 hours LEC; 300 hours LAB			<i>Course Transferable to UC/CSU</i>		
This course allows students to sociologically explore an internship work experience. Students will identify and secure an instructor-approved internship and will use the sociological perspective to analyze the organizational structures and processes of the workplace. Students will learn techniques to address common problems within social service and community-based organizations. Students will be required to fulfill 18 hours lecture (online or face-to-face formats) and 75 hours of instructor-approved paid work or 60 hours of volunteer work for one unit; the student will receive one additional unit for each segment of 75 paid hours or 60 volunteer hours of instructor-approved work. This course may be taken four times for a maximum of 16 units as long as there are new or expanded learning opportunities on the job.			<i>Hours:</i> 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. This honors section uses an intensive seminar style of instructional methodology with extensive research projects on race and ethnicity designed to challenge motivated students. This course is not open to students who have completed SOC 321. (C-ID SOCI 150)		

**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 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 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 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)

### **STAT 100      Pre-Statistics                          4 Units**

*Prerequisite: MATH 34 with a grade of "C" or better, or placement through the assessment process.*

*Hours: 72 hours LEC*

This course prepares students for transfer-level Statistics. Topics include ratios, rates, and proportional reasoning; arithmetic with fractions, decimals and percents; evaluating expressions, solving equations, and analyzing formulas to understand statistical measures; use of linear and exponential functions to model bivariate data; graphical and numerical descriptive statistics for quantitative and categorical data. Note: This course is not intended for students who plan to take courses in science, computer information science, engineering, mathematics, physics, chemistry, or business and economics.

### **STAT 110      Support for Introduction to Probability and Statistics                          2 Units**

*Prerequisite: None.*

*Corequisite: STAT 300*

*Hours: 36 hours LEC*

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Introduction to Probability and Statistics (STAT 300). Topics and homework assignments are often connected to the students' assignments in STAT 300. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass. Students who have taken this course as MATH 299 are not eligible to take this course.

### **STAT 299      Experimental Offerings in Statistics                          .5-4 Units**

*Prerequisite: None*

*Hours: 72 hours LEC*

See Experimental Offerings

### **STAT 300      Introduction to Probability and Statistics                          4 Units**

*Prerequisite: MATH 109, MATH 120, MATH 121, MATH 124, MATH 135, or STAT 100 with a grade of "C" or better, or placement through the assessment process.*

*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. (C-ID MATH 110; Competency: Mathematics)

### **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.*

*Advisory: A 3.0 GPA or better in high school or college, or be eligible to take ENGWR 300*

*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 designed for students in the honors program. Topics include elementary principles and applications of descriptive statistics, counting principles, elementary probability principles, probability distributions, estimation of parameters, hypothesis testing, linear regression and correlation, and ANOVA. Scientific calculators with two-variable statistical capabilities may be required for this class. This honors section uses an intensive instructional methodology designed to challenge motivated students. Credit will be awarded for either STAT 480 or STAT 300, not both. (C-ID MATH 110; Competency: Mathematics)

### **STAT 495      Independent Studies in Statistics                                  1-3 Units**

*Prerequisite: None.*

*Course Transferable to CSU*

*Hours: 162 hours LAB*

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 Government****SGVT**

**Student Leadership and Development  
To Be Announced, Vice President, Student Services  
Rodda Hall North, room 272  
916-558-2141**

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**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

### Theatre Arts Film

### Theatre Arts Performance

**TA**  
**TAFILM**  
**TAP**

**Degrees:**

- A.A. – Acting-Directing Emphasis
- A.A. – Film
- A.A. – Technical Production Emphasis
- AA-T – Theatre Arts for Transfer

**Certificates of Achievement:**

- Film Production
- Film Studies

**Division of Humanities and Fine Arts**

**Chris Iwata, Dean**  
**Performing Arts Center, room 137**  
**916-558-2551**

**Theatre Arts****Acting-Directing Emphasis****Associate in Arts Degree****Program Information**

This program provides students with an understanding of the overall process by which theatre is produced, including the theories and techniques of acting, directing, and playwriting, and the elements of technical theatre. It also provides an overview of the historical and social context of the theatre. Consultation with an SCC counselor is urged.

**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) ..... 3  
or TA 422 Stage Lighting (3)

A minimum of 9 units from the following: ..... 9

TAFILM 360 Screenwriting (3)

TA 308 Diversity in American Theatre (3)

TA 356 Acting for the Camera I (3)

TA 360 Styles of Acting (3)

TA 364 Shakespeare Without Fear (3)

TA 370 Theatre Movement (2)

TA 395 Playwriting (3)

TA 423 Introduction to Scene Design for the Stage (3)

TA 437 Stage Make-up I (3)

- TA 452 One-Act Play Workshop (3)
- TA 454 Race & Ethnicity in Performance I (3)
- TA 455 Race & Ethnicity in Performance II (3)
- TAP 300 Modern Rehearsal and Performance I (1 – 3)
- TAP 301 Modern Rehearsal and Performance II (1 – 3)
- TAP 302 Modern Rehearsal and Performance III (1 – 3)
- TAP 303 Modern Rehearsal and Performance IV (1 – 3)
- TAP 320 Classical Rehearsal and Performance I (1 – 3)
- TAP 321 Classical Rehearsal and Performance II (1 – 3)
- TAP 322 Classical Rehearsal and Performance III (1 – 3)
- TAP 323 Classical Rehearsal and Performance IV (1 – 3)
- TAP 340 Musical Rehearsal and Performance I (1 – 3)
- TAP 341 Musical Rehearsal and Performance II (1 – 3)
- TAP 342 Musical Rehearsal and Performance III (1 – 3)
- TAP 343 Musical Rehearsal and Performance IV (1 – 3)
- TAP 360 Children's Theatre Rehearsal and Performance I (1 – 3)
- TAP 361 Children's Theatre Rehearsal and Performance II (1 – 3)
- 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.

**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, playwriting, and technical elements.
- analyze the components of a theatrical production and the role of

technical theatre in the production process.		
• evaluate a script, assess production requirements, and develop practical and artistic solutions through scenic, lighting, costume, sound, or makeup designs.		
• integrate practical information from construction plans.		
• demonstrate proficiency in technical production skills.		
• evaluate tools, materials, and processes used in technical theatre work.		
<b>Required Program</b>	<b>Units</b>	
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)		
<b>Total Units Required</b>		30
<b>Associate in Arts (A.A.) Degree</b>		
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 <i>A Degree with a Guarantee.</i>		
<b>Theatre Arts</b>		
<b>Associate in Arts for Transfer</b>		
<b>Program Information</b>		
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 Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements (CSU GE-Breadth).		
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.		
(2) Obtainment of a minimum grade point average of 2.0.		
ADTs also require that students must earn a "C" or better in all courses required for the major or area of emphasis.		
<b>Upon completion of this program, the student will be able to:</b>		
• 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.		
<b>Required Program</b>	<b>Units</b>	
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.

<b>Required Program</b>	<b>Units</b>
TAFILM 300 Introduction to Film (3)..... or ENGLT 400 Introduction to Film (3)	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).....	3
A minimum of 18 units from the following: .....	18
ENGLT 403 Film Adaptations (3)	
MUSM 322 Introduction to Film Music (3)	
MUSM 356 Pro Tools 101, Introduction to Pro Tools (1.5)	
MUSM 357 Pro Tools 110 Intermediate Pro Tools (1.5)	
MUSM 362 Mixing and Mastering Music Projects (3)	
MUSM 366 Pro Tools 201, Advanced Pro Tools (1.5)	
MUSM 367 Audio for Video Post Production (3)	
TA 356 Acting for the Camera I (3)	
TA 420 Stagecraft (3)	
TA 422 Stage Lighting (3)	
TA 430 Costume Construction (3)	
TA 437 Stage Make-up I (3)	
TA 438 Stage Make-up II (2)	
TAFILM 309 From Stage to Screen: Production Design and Art Direction (3)	
TAFILM 320 Cinema Genres (3)	
TAFILM 332 Film Production Workshop I (3)	
TAFILM 333 Film Production Workshop II (3)	
TAFILM 334 Film Production Workshop III (3)	
TAFILM 340 Film Editing (3)	
TAFILM 341 Advanced Film Editing (3)	
TAFILM 343 Motion Graphics for Video (3)	
TAFILM 344 Introduction to Digital Effects (3)	
TAFILM 345 Intermediate Digital Effects (3)	
TAFILM 347 Color Correcting and Grading for Film (3)	
TAFILM 360 Screenwriting (3)	

**Total Units 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	
MUSM 322 Introduction to Film Music (3)	
MUSM 356 Pro Tools 101, Introduction to Pro Tools (1.5)	
MUSM 357 Pro Tools 110 Intermediate Pro Tools (1.5)	
MUSM 366 Pro Tools 201, Advanced Pro Tools (1.5)	
MUSM 367 Audio for Video Post Production (3)	
TA 356 Acting for the Camera I (3)	
TA 420 Stagecraft (3)	
TA 422 Stage Lighting (3)	
TA 430 Costume Construction (3)	
TA 437 Stage Make-up I (3)	
TA 438 Stage Make-up II (2)	
TAFILM 332 Film Production Workshop I (3)	
TAFILM 333 Film Production Workshop II (3)	
TAFILM 334 Film Production Workshop III (3)	
TAFILM 340 Film Editing (3)	
TAFILM 341 Advanced Film Editing (3)	
TAFILM 343 Motion Graphics for Video (3)	
TAFILM 344 Introduction to Digital Effects (3)	
TAFILM 345 Intermediate Digital Effects (3)	
TAFILM 347 Color Correcting and Grading for Film (3)	
TAFILM 360 Screenwriting (3)	

#### Total Units 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
ENGLT 403 Film Adaptations (3)	
MUSM 322 Introduction to Film Music (3)	
TAFILM 307 Diversity in American Film (3)	
TAFILM 309 From Stage to Screen: Production Design and Art Direction (3)	
TAFILM 320 Cinema Genres (3)	
TAFILM 330 Film Making (3)	
TAFILM 332 Film Production Workshop I (3)	
TAFILM 360 Screenwriting (3)	

#### Total Units 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 non-performance course focuses on the study of theatre and its relationship to: 1) the cultures and societies who create theatre; 2) other entertainment media such as film and television; and 3) audience development. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles, and genres of theatre through play reading, discussion, films, and viewing and critiquing live theatre, including a required field trip to a play at a professional or community theatre. Attendance at live performances is required. (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 the Theatre from the Greeks to the Nineteenth Century. Lectures include the historical and cultural environment out of which the plays were written and an analysis of plays from a variety of viewpoints including their historical moment and their lasting impact upon a contemporary audience. The course will also include an investigation into the synergy of theatrical performance and theatre architecture development and the continuing impact of these issues on a contemporary audience. Students are required to see three productions during the semester – the two MainStage Departmental offerings, and one of the student's choice, either on or off campus. (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 productions during the semester: two on-campus, and one of their choice either on or off campus.

### **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 required attendance at live play productions, on campus, and at professional or community theaters.

### **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. (C-ID THTR 151)

### **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. (C-ID THTR 152)

### **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.

<b>TA 360</b>	<b>Styles of Acting</b>	<b>3 Units</b>	<b>TA 420</b>	<b>Stagecraft</b>	<b>3 Units</b>
<i>Prerequisite: TA 350 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 36 hours LEC; 54 hours LAB</i>			<i>Hours: 36 hours LEC; 72 hours LAB</i>		
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.			This course covers the basic materials used in the construction of scenery and properties, as well as construction and painting techniques. Scenery and backstage organization are explored through a combination of lecture and practical experience gained by working on department productions. (C-ID THTR 171)		
<b>TA 364</b>	<b>Shakespeare Without Fear</b>	<b>3 Units</b>	<b>TA 422</b>	<b>Stage Lighting</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better, or ESLR 320 and ESLW 320 with grades of "C" or better.</i>			<i>Course Transferable to UC/CSU</i>		
<i>General Education: CSU Area C1</i>			<i>Hours: 36 hours LEC; 72 hours LAB</i>		
<i>Course Transferable to UC/CSU</i>			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)		
<i>Hours: 54 hours LEC</i>					
This course is designed to give the student a non-threatening opportunity to explore performance of Shakespeare plays. It is designed primarily to help the student attend Shakespeare plays, in live performance or on film, not necessarily to create Shakespearean actors. Some of the topics covered include acting, language, stage combat, and auditioning techniques. Students will gain insights into the historical and cultural context of Shakespeare's works through their performances, and then discuss the contemporary relevance of those works.					
<b>TA 370</b>	<b>Theatre Movement</b>	<b>2 Units</b>	<b>TA 423</b>	<b>Introduction to Scene Design for the Stage</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: TA 420 with a grade of "C" or better</i>		
<i>General Education: CSU Area C1</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to UC/CSU</i>			<i>Hours: 36 hours LEC; 72 hours LAB</i>		
<i>Hours: 18 hours LEC; 54 hours LAB</i>			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.		
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.					
<b>TA 395</b>	<b>Playwriting</b>	<b>3 Units</b>	<b>TA 424</b>	<b>Advanced Technical Theatre</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: TA 420 and 422 with grades of "C" or better</i>		
<i>Advisory: ENGWR 101 or ESLW 340 with a grade of "C" or better.</i>			<i>Course Transferable to UC/CSU</i>		
<i>Course Transferable to CSU</i>			<i>Hours: 36 hours LEC; 72 hours LAB</i>		
<i>Hours: 54 hours LEC</i>			This course will explore advanced technical theatre production techniques and design in the areas of scenery, props, lighting, sound, scenic painting, rigging or stage management, and costumes through individual projects and participation in major productions.		
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.					
<b>TA 404</b>	<b>Techniques of Puppetry</b>	<b>3 Units</b>	<b>TA 430</b>	<b>Costume Construction</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Advisory: ENGWR 51 and ENGRD 110, or ESLW 310 and ESLR 310, with grades of "C" or better, or placement through assessment.</i>			<i>Course Transferable to UC/CSU</i>		
<i>General Education: CSU Area C1</i>			<i>Hours: 36 hours LEC; 54 hours LAB</i>		
<i>Course Transferable to CSU</i>			This course explores the basic areas of costume construction. Topics include fabrics, color, patterns, sewing techniques, costume pieces, and accessories. Period styles, costume analysis, and basic design are also covered. This course offers experience in constructing costumes for theatrical productions. Through the construction of costumes for the Theatre Arts productions students will learn techniques of pattern drafting and sewing for stage use. (C-ID THTR 174)		
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
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.					

<b>TA 436</b>	<b>Historic Costuming</b>	<b>3 Units</b>	<b>TA 454</b>	<b>Race &amp; Ethnicity in Performance I</b>	<b>3 Units</b>
<i>Same As: FASHN 335</i>					
<i>Prerequisite: None.</i>					
<i>Advisory: ENGRD 110 and ENGWR 101; or ESLR 320 and ESLW 320; FASHN 340, FASHN 301, LIBR 318, and MATH 34 with grades of "C" or better.</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
The impact of social, political, cultural, and economic issues on costume is explored from the cradle of civilization through modern times. Specific periods of fashion are researched to design and construct historically correct garments. Students will learn how to apply the principles of modern pattern making to various historical styles and use this knowledge to design and create historical costumes. The unique cut and construction of each historical period is covered, from undergarments to accessories, for each fashion period. Students will learn to create necessary adaptations to these garments for successful stage applications. One field trip is required. Credit may be earned for FASHN 335 or TA 436, but not for both courses. The cost per student to participate is approximately \$35-\$90.					
<b>TA 437</b>	<b>Stage Make-up I</b>	<b>3 Units</b>	<b>TA 455</b>	<b>Race &amp; Ethnicity in Performance II</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>					
<i>General Education: CSU Area C1</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
This course covers the basic techniques of theatrical makeup. It explores makeup materials, color and light, modeling techniques, and design elements in the development of makeup designs for corrective, old age, historical, stylized face, clown, animal, and fantasy makeup. Materials may cost students between \$50 and \$100. (C-ID THTR 175)					
<b>TA 438</b>	<b>Stage Make-up II</b>	<b>2 Units</b>	<b>TA 494</b>	<b>Topics in Theatre Arts</b>	<b>.5-4 Units</b>
<i>Prerequisite: None.</i>					
<i>Advisory: TA 437 with a grade of "C" or better</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 18 hours LEC; 54 hours LAB</i>					
This course includes special projects in the design and execution of character make-up for selected plays. Emphasis is on three dimensional make-up techniques. Students will work in small groups to allow for more student-contact time and more advanced instruction. Materials may cost students between \$50 and 100.					
<b>TA 440</b>	<b>Arts Management</b>	<b>3 Units</b>	<b>TA 495</b>	<b>Independent Studies in Theatre Arts</b>	<b>1-3 Units</b>
<i>Prerequisite: None.</i>					
<i>Course Transferable to CSU</i>					
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
This is a general survey course in arts management with emphasis on organization, marketing/development, and financial management. It also includes field work with an existing arts organization.					
<b>TA 452</b>	<b>One-Act Play Workshop</b>	<b>3 Units</b>			
<i>Prerequisite: None.</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 36 hours LEC; 54 hours LAB</i>					
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.					

<b>TA 498</b>	<b>Work Experience in Theatre Arts</b>	<b>1-4 Units</b>	<b>TAFILM 303 History of Film: 1880's through 1950's</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>	
<i>Course Transferable to CSU</i>			<i>Advisory: ENGWR 101 and ENGRD 110 with grades of ;C; or better; OR ESLR 320 and ESLW 320 with grades of ;C; or better.</i>	
<i>Hours: 18 hours LEC; 300 hours LAB</i>			<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>	
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.			<i>Course Transferable to UC/CSU</i>	
<b>TA 499</b>	<b>Experimental Offering in Theatre Arts</b>	<b>.5-4 Units</b>	<b>TAFILM 304 History of Film: 1950's to Present</b>	<b>3 Units</b>
<i>Prerequisite: None</i>			<i>Prerequisite: None.</i>	
<i>Course Transferable to UC/CSU</i>			<i>Advisory: ENGWR 101 and ENGRD 110 with grades of ;C; or better; OR ESLR 320 and ESLW 320 with grades of ;C; or better.</i>	
<i>Hours: 48 hours LEC; 72 hours LAB</i>			<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>	
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.			<i>Course Transferable to UC/CSU</i>	
			<i>Hours: 54 hours LEC</i>	
			This course is a historical and critical survey of film as an art form. It emphasizes the evolution of artistic and technical facets of production in features, documentaries, and experimental films. The focus is on films from the 1880s through 1950s. (This course was formerly known as TA 314.)	
			<b>TAFILM 307 Diversity in American Film</b>	<b>3 Units</b>
<b>TAFILM 300 Introduction to Film</b>		<b>3 Units</b>	<i>Prerequisite: None.</i>	
<i>Same As: ENGLT 400</i>			<i>Advisory: ENGWR 101 and ENGRD 110 or ESLR 320 and ESLW 320 with grades of "C" or better, or placement through assessment process.</i>	
<i>Prerequisite: ENGWR 51 and ENGRD 11 or ESLR 310 and ESLW 310 with grades of "C" or better or placement through the assessment process.</i>			<i>General Education: AA/AS Area I; AA/AS Area VI; CSU Area C1; CSU Area C2; IGETC Area 3B</i>	
<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>			<i>Course Transferable to UC/CSU</i>	
<i>Course Transferable to UC/CSU</i>			<i>Hours: 54 hours LEC</i>	
<i>Hours: 54 hours LEC</i>			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.)	
<b>TAFILM 302 History of Film</b>		<b>3 Units</b>	<b>TAFILM 309 From Stage to Screen: Production Design and Art Direction</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>	
<i>General Education: AA/AS Area I; CSU Area C1; IGETC Area 3A</i>			<i>General Education: AA/AS Area I</i>	
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>	
<i>Hours: 54 hours LEC</i>			<i>Hours: 54 hours LEC</i>	
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.)			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.)	

<b>TAFILM 320 Cinema Genres</b>	<b>3 Units</b>	<b>TAFILM 340 Film Editing</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>	
<i>Advisory: ENGWR 101 and ENGRD 310 with grades of "C" or better.</i>		<i>Course Transferable to UC/CSU</i>	
<i>General Education: CSU Area C1; IGETC Area 3A</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<i>Course Transferable to UC/CSU</i>		This course is an introduction to the concepts and technical elements of film editing for the cinema. Students will gain practical experience in editing images and synchronous sound to create cinematic products. Students will receive training in the features and capabilities of current film editing equipment including the latest film editing software. Some of the topics covered in the course include a basic overview of editing, video montage, subclippings, storyboarding, and editing dialogue, as well as digitizing and final output. This course involves the use of software that is regarded as the current industry standard. (This course was formerly known as TA 320.)	
<b>TAFILM 330 Film Making</b>	<b>3 Units</b>	<b>TAFILM 341 Advanced Film Editing</b>	<b>3 Units</b>
<i>Prerequisite: None.</i>		<i>Prerequisite: TAFILM 340 with a grade of "C" or better</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to CSU</i>	
<i>Hours: 36 hours LEC; 72 hours LAB</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
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.)		This course is designed for experienced users or those wishing to increase their overall film editing knowledge. This course delves into the details of such topics as compositing, power trimming, media management, color keying, audio finishing, color correction, and much more. Instruction also covers tips, tricks, and other secrets that allow participants to master the finer points of film editing and edit software. (This course was formerly known as TA 334.)	
<b>TAFILM 332 Film Production Workshop I</b>	<b>3 Units</b>	<b>TAFILM 343 Motion Graphics for Video</b>	<b>3 Units</b>
<i>Prerequisite: TAFILM 330 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Advisory: DDSN 331 and TAFILM 340 with grades of "C" or better and basic knowledge of the Macintosh OS</i>	
<i>Hours: 36 hours LEC; 72 hours LAB</i>		<i>Course Transferable to CSU</i>	
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.)		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<b>TAFILM 333 Film Production Workshop II</b>	<b>3 Units</b>	<b>TAFILM 344 Introduction to Digital Effects</b>	<b>3 Units</b>
<i>Prerequisite: TAFILM 332 with a grade of "C" or better</i>		<i>Prerequisite: None.</i>	
<i>Course Transferable to UC/CSU</i>		<i>Advisory: TAFILM 340 with a grade of "C" or better</i>	
<i>Hours: 36 hours LEC; 72 hours LAB</i>		<i>Course Transferable to UC/CSU</i>	
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.		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
<b>TAFILM 334 Film Production Workshop III</b>	<b>3 Units</b>	<b>TAFILM 345 Intermediate Digital Effects</b>	<b>3 Units</b>
<i>Prerequisite: TAFILM 333 with a grade of "C" or better</i>		<i>Prerequisite: TAFILM 344 with a grade of "C" or better</i>	
<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>	
<i>Hours: 36 hours LEC; 72 hours LAB</i>		<i>Hours: 36 hours LEC; 54 hours LAB</i>	
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.		The course presents an intermediate level exploration of the theory and practice of digital effects for film multimedia and emerging broadcast technologies. Intermediate level skills are developed in digital effects software. Techniques for compositing, keying, motion graphics, and color correction are demonstrated.	

**TAFILM 347 Color Correcting and Grading for Film** **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, web video and television. Students will view and analyze exemplary films, participate in writing exercises and workshops, and complete a treatment and master scenes of a professionally formatted screenplay. (This course was formerly known as TA 339.)

**TAFILM 495 Independent Studies in Film** **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*

See Experimental Offerings

**Theatre Arts Preformance (TAP)****TAP 300 Modern Rehearsal and Performance I** **1-3 Units***Course 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)

<b>TAP 310</b>	<b>Modern Technical Production I</b>	<b>1-3 Units</b>	<b>TAP 313</b>	<b>Modern Technical Production IV</b>	<b>1-3 Units</b>
<i>Course Family: Modern Performance and Technical Production</i>			<i>Course Family: Modern Performance and Technical Production</i>		
<i>Prerequisite: None.</i>			<i>Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 311</b>	<b>Modern Technical Production II</b>	<b>1-3 Units</b>	<b>TAP 320</b>	<b>Classical Rehearsal and Performance I</b>	<b>1-3 Units</b>
<i>Course Family: Modern Performance and Technical Production</i>			<i>Course Family: Classical Performance and Technical Production</i>		
<i>Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better</i>			<i>Prerequisite: None.</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Audition</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 312</b>	<b>Modern Technical Production III</b>	<b>1-3 Units</b>	<b>TAP 321</b>	<b>Classical Rehearsal and Performance II</b>	<b>1-3 Units</b>
<i>Course Family: Modern Performance and Technical Production</i>			<i>Course Family: Classical Performance and Technical Production</i>		
<i>Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better</i>			<i>Prerequisite: TAP 300, 320, 340, 360, or 380 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Audition</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		

<b>TAP 322</b>	<b>Classical Rehearsal and Performance III</b>	<b>1-3 Units</b>	<b>TAP 331</b>	<b>Classical Technical Production II</b>	<b>1-3 Units</b>
<i>Course Family: Classical Performance and Technical Production</i>			<i>Course Family: Classical Performance and Technical Production</i>		
<i>Prerequisite: TAP 301, 321, 341, 361, or 381 with a grade of "C" or better</i>			<i>Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Audition</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 323</b>	<b>Classical Rehearsal and Performance IV</b>	<b>1-3 Units</b>	<b>TAP 332</b>	<b>Classical Technical Production III</b>	<b>1-3 Units</b>
<i>Course Family: Classical Performance and Technical Production</i>			<i>Course Family: Classical Performance and Technical Production</i>		
<i>Prerequisite: TAP 302, 322, 342, 362, or 382 with a grade of "C" or better</i>			<i>Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Audition</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 330</b>	<b>Classical Technical Production I</b>	<b>1-3 Units</b>	<b>TAP 333</b>	<b>Classical Technical Production IV</b>	<b>1-3 Units</b>
<i>Course Family: Classical Performance and Technical Production</i>			<i>Course Family: Classical Performance and Technical Production</i>		
<i>Prerequisite: None.</i>			<i>Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		

<b>TAP 340</b>	<b>Musical Rehearsal and Performance I</b>	<b>1-3 Units</b>	<b>TAP 350</b>	<b>Musical Technical Production I</b>	<b>1-3 Units</b>
<i>Course Family: Musical Performance and Technical Production</i>			<i>Course Family: Musical Performance and Technical Production</i>		<i>Course Family: Musical Performance and Technical Production</i>
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		<i>Prerequisite: None.</i>
<i>Enrollment Limitation: Audition</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		<i>Hours: 162 hours LAB</i>
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)			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)		
<b>TAP 341</b>	<b>Musical Rehearsal and Performance II</b>	<b>1-3 Units</b>	<b>TAP 351</b>	<b>Musical Technical Production II</b>	<b>1-3 Units</b>
<i>Course Family: Musical Performance and Technical Production</i>			<i>Course Family: Musical Performance and Technical Production</i>		<i>Course Family: Musical Performance and Technical Production</i>
<i>Prerequisite: TAP 300, 320, 340, 360, or 380 with a grade of "C" or better</i>			<i>Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better</i>		<i>Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better</i>
<i>Enrollment Limitation: Audition</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		<i>Hours: 162 hours LAB</i>
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)			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)		
<b>TAP 342</b>	<b>Musical Rehearsal and Performance III</b>	<b>1-3 Units</b>	<b>TAP 352</b>	<b>Musical Technical Production III</b>	<b>1-3 Units</b>
<i>Course Family: Musical Performance and Technical Production</i>			<i>Course Family: Musical Performance and Technical Production</i>		<i>Course Family: Musical Performance and Technical Production</i>
<i>Prerequisite: TAP 301, 321, 341, 361, or 381 with a grade of "C" or better</i>			<i>Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better</i>		<i>Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better</i>
<i>Enrollment Limitation: Audition</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		<i>Course Transferable to UC/CSU</i>
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		<i>Hours: 162 hours LAB</i>
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)			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)		
<b>TAP 343</b>	<b>Musical Rehearsal and Performance IV</b>	<b>1-3 Units</b>			
<i>Course Family: Musical Performance and Technical Production</i>					
<i>Prerequisite: TAP 302, 322, 342, 362, or 382 with a grade of "C" or better</i>					
<i>Enrollment Limitation: Audition</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 162 hours LAB</i>					
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)					

<b>TAP 353</b>	<b>Musical Technical Production IV</b>	<b>1-3 Units</b>	<b>TAP 363</b>	<b>Children's Theatre Rehearsal and Performance IV</b>	<b>1-3 Units</b>
<i>Course Family: Musical Performance and Technical Production</i>			<i>Course Family: Children's Theatre Performance and Technical Produ</i>		
<i>Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better</i>			<i>Prerequisite: TAP 302, 322, 342, or 362 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Audition</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 360</b>	<b>Children's Theatre Rehearsal and Performance I</b>	<b>1-3 Units</b>	<b>TAP 370</b>	<b>Children's Theatre Technical Production I</b>	<b>1-3 Units</b>
<i>Course Family: Children's Theatre Performance and Technical Produ</i>			<i>Course Family: Children's Theatre Performance and Technical Produ</i>		
<i>Prerequisite: None.</i>			<i>Prerequisite: None.</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 361</b>	<b>Children's Theatre Rehearsal and Performance II</b>	<b>1-3 Units</b>	<b>TAP 371</b>	<b>Children's Theatre Technical Production II</b>	<b>1-3 Units</b>
<i>Course Family: Children's Theatre Performance and Technical Produ</i>			<i>Course Family: Children's Theatre Performance and Technical Produ</i>		
<i>Prerequisite: TAP 300, 320, 340, or 360 with a grade of "C" or better</i>			<i>Prerequisite: TAP 310, 330, 350, 370, or 390 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Students must pass an audition in order to enroll.</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 362</b>	<b>Children's Theatre Rehearsal and Performance III</b>	<b>1-3 Units</b>			
<i>Course Family: Children's Theatre Performance and Technical Produ</i>					
<i>Prerequisite: TAP 301, 321, 341, or 361 with a grade of "C" or better</i>					
<i>Enrollment Limitation: Students must pass an audition in order to participate.</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 162 hours LAB</i>					
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)					

<b>TAP 372</b>	<b>Children's Theatre Technical Production III</b>	<b>1-3 Units</b>	<b>TAP 381</b>	<b>Repertory/Touring Rehearsal and Performance II</b>	<b>1-3 Units</b>
<i>Course Family: Children's Theatre Performance and Technical Product</i>			<i>Course Family: Repertory/Touring Performance and Technical Product</i>		
<i>Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better</i>			<i>Prerequisite: TAP 300, 320, 340, 360, or 380 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Audition</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 373</b>	<b>Children's Theatre Technical Production IV</b>	<b>1-3 Units</b>	<b>TAP 382</b>	<b>Repertory/Touring Rehearsal and Performance III</b>	<b>1-3 Units</b>
<i>Course Family: Children's Theatre Performance and Technical Product</i>			<i>Course Family: Repertory/Touring Performance and Technical Product</i>		
<i>Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better</i>			<i>Prerequisite: TAP 301, 321, 341, 361, or 381 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Audition</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 380</b>	<b>Repertory/Touring Rehearsal and Performance I</b>	<b>1-3 Units</b>	<b>TAP 383</b>	<b>Repertory/Touring Rehearsal and Performance IV</b>	<b>1-3 Units</b>
<i>Course Family: Repertory/Touring Performance and Technical Product</i>			<i>Course Family: Repertory/Touring Performance and Technical Product</i>		
<i>Prerequisite: None.</i>			<i>Prerequisite: TAP 302, 322, 342, 362, or 382 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Audition</i>			<i>Enrollment Limitation: Audition</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
This course is the first level of four courses that provide a workshop training experience for students performing in their first role in a repertory or touring production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor. (C-ID THTR 191)			This course is the fourth level of four courses that provide a workshop training experience for students performing in their fourth role in a repertory or touring theatre production. Students interested in acting audition with the director for acting, singing, or dancing roles. All students performing in productions may enroll in this class for one to three units at the discretion of the instructor. Students may enroll in this class after the close of late registration at the discretion of the instructor. (C-ID THTR 191)		

<b>TAP 390</b>	<b>Repertory and Touring Technical Production I</b>	<b>1-3 Units</b>	<b>TAP 393</b>	<b>Repertory and Touring Technical Production IV</b>	<b>1-3 Units</b>
<i>Course Family: Repertory/Touring Performance and Technical Production</i>			<i>Course Family: Repertory/Touring Performance and Technical Production</i>		
<i>Prerequisite: None.</i>			<i>Prerequisite: TAP 312, 332, 352, 372, or 392 with a grade of "C" or better</i>		
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>			<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>		
<i>Course Transferable to UC/CSU</i>			<i>Course Transferable to UC/CSU</i>		
<i>Hours: 162 hours LAB</i>			<i>Hours: 162 hours LAB</i>		
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)			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)		
<b>TAP 391</b>	<b>Repertory and Touring Technical Production II</b>	<b>1-3 Units</b>			
<i>Course Family: Repertory/Touring Performance and Technical Production</i>					
<i>Prerequisite: TAP 310, 330, 350, 370, and 390 with grades of "C" or better</i>					
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 162 hours LAB</i>					
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)					
<b>TAP 392</b>	<b>Repertory and Touring Technical Production III</b>	<b>1-3 Units</b>			
<i>Course Family: Repertory/Touring Performance and Technical Production</i>					
<i>Prerequisite: TAP 311, 331, 351, 371, or 391 with a grade of "C" or better</i>					
<i>Enrollment Limitation: Students must interview for crew positions prior to enrollment.</i>					
<i>Course Transferable to UC/CSU</i>					
<i>Hours: 162 hours LAB</i>					
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)					

## Topics in (Subject)

<b>Topics in (Subject)</b>	<b>.5-4 Units</b>
<b>294</b>	<b>494</b>
<i>Not transferable</i>	<i>Course Transferable to: CSU (as elective units)</i>
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.	<i>Course Transferable to: UC (for those marked with an asterisk, 494*)</i>
BUS 294	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.
COSM 294	
ECE 294	
FCS 294	
FLTEC 294	
MET 294	
RAILR 294	
ADMJ 494	GERON 494*
AERO 494	HIST 494*
ANTH 494*	LIBT 494
ART 494*	MATH 494*
ARTH 494*	MUSM 494
ASTR 494*	PHOTO 494
BIOL 494*	PHYS 494*
CHEM 494*	POLS 494*
COMM 494*	PSYC 489* and 494*
EDT 494	SOC 494*
ENGLT 494*	SOCSC 493*
ET 494	TA 494*

## Women and Gender Studies

### Degree:

A.A. – Women and Gender Studies

### Division of Behavioral and Social Science

Kasey Gardner, Dean

Rodda Hall North, room 226

916-558-2401

## Women and Gender Studies

### Associate in Arts Degree

#### Program Information

Women and Gender Studies is an interdisciplinary program that involves an interdisciplinary, multicultural, and transnational perspective of gender inequality. Based on the conviction that gender roles are socially constructed through time, the program employs perspectives from disciplines such as history, literature, philosophy, sociology, politics, and psychology to examine how gendered experiences are created and shaped by social and economic institutions, political movements, and individual experiences. The course of study centers on teaching students how to use feminist and social justice frameworks to analyze gender oppression within local, national, and global contexts. The program encourages an analysis of how race, class, sexuality, and nationality influence the construction of gender.

#### Career Opportunities

A degree in Women and Gender Studies provides students with an academically well-rounded knowledge base anchored in strong critical thinking skills, through the lens of feminism and social justice. Students who complete the Women and Gender Studies program develop skills that are attractive to many employers in the twenty-first century, including the ability to think critically, to be open-minded and innovative, and to handle the real-life complexities of the workplace. Students also bring to the workplace a specific awareness of issues such as sexism, racism, homophobia, and class oppression. Students who earn an A.A. degree in Women and Gender Studies may either pursue further study or obtain employment directly in fields such as health and social services, education, law, government and politics, communications, and business. Moreover, a Women and Gender Studies degree gives students the confidence to pursue nontraditional careers.

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

- identify women's contributions to major social and cultural institutions, including history, politics, science, social science, literature, and art.
- demonstrate an understanding of the role of oppression and privilege in the lives of women, integrating the roles played by of race, class, gender, ethnicity, age, (dis)ability, and sexuality in women's experiences.
- demonstrate the ability to summarize and apply a variety of feminist theories.
- identify and discuss a range of gender issues, including motherhood, gender-based violence, reproductive justice, economic issues, marriage and relationships, political leadership, employment, and physical and mental health issues.
- demonstrate the ability to examine issues of women and gender from an interdisciplinary, cross-cultural, and global perspective.
- utilize a variety of strategies for social change, incorporating an understanding of the connection between knowledge and experience, theory and activism regarding issues pertaining to women and gender.
- demonstrate the ability to communicate effectively in writing.

#### Required Program

	Units
WGS 300 Introduction to Women and Gender Studies .....	3
WGS 302 Global Women's Issues (3).....	3
or SOC 345 Global Women's Issues (3)	
A minimum of 12 units from the following: .....	12 <sup>1</sup>
ARTH 312 Women in Art (3)	
ENGLT 360 Women in Literature (3)	
ENGLT 401 Women in Film and Literature (3)	
POLS 340 Women in Politics (3)	
PSYC 356 Human Sexuality (3)	
PSYC 360 Psychology of Women (3)	
SOC 341 Sex and Gender in the U.S. (3)	
SOC 343 Women and Social Action (3)	
SOC 344 Sociology of Women's Health (3)	
WGS 304 Women, Globalization, and Human Rights (3)	
or SOC 347 Women, Globalization, and Human Rights (3)	
HIST 483 History of the United States – Honors (3)	
or HIST 310 History of the United States (3)	
HIST 311 History of the United States (3)	
or HIST 484 History of the United States – Honors (3)	

#### Total Units Required

18

<sup>1</sup>Students must take the "Women's Emphasis" sections of HIST 310, HIST 311, HIST 483, and HIST 484. The "Women's Emphasis" courses are identified in the class schedule.

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

The Women and Gender Studies Associate in Arts (A.A.) degree may be obtained by completion of 60 transferable, semester units, including (a) the major or area of emphasis described in the Required Program, and (b) one of the following: the SCC General Education, the Intersegmental General Education Transfer Curriculum (IGETC), or the California State University General Education-Breadth Requirements.

#### 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.

## Women and Gender Studies (WGS)

### WGS 300      Introduction to Women and Gender Studies      3 Units

*Prerequisite: None.*

*Advisory: ENGRD 110 and ENGWR 101 with grades of "C" or better  
OR ESLR 340 and ESLW 340 with grades of "C" or better*

*General Education: AA/AS Area V(b); AA/AS Area III(b); CSU Area D; IGETC Area 4*

*Course Transferable to UC/CSU*

*Hours: 54 hours LEC*

This course provides an interdisciplinary approach to introducing Women and Gender Studies and key theories, concepts, and issues of the field. The course will examine gender inequality from an intersectional perspective, emphasizing the interrelated circumstances that influence women's status in popular culture, in the workforce, in the arts, before the law, in the family, and in other social, political, and economic realms of society. Students will strive to understand women's diverse histories and experiences, while at the same time seeking to understand how their own histories have shaped who they are and how they view the world. Employing gender as a central category of analysis, the course will be inclusive of issues of oppression based on gender expression and sexuality. Each student writes a minimum of 3,000 words. Formerly known as SOCSC 350.

### WGS 302      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 D; IGETC Area 4*

*Course Transferable to UC/CSU*

*Hours: 54 hours LEC*

The course will consider the conditions of women's lives from the perspectives of global and transnational feminism, examining issues such as immigration, girls' education, maternal health, globalization, economics, war and conflict, gender-based violence, and political activism. Students will seek to understand women's lives by connecting global data about the status of women to material consequences for individual women and local communities. Using gender as a theoretical category of analysis, the course will explore how gender inequality and oppression create disproportionate suffering and lack of opportunities for women and girls. Students will learn to ask critical questions about the complex and intersecting aspects of the oppression of women, as well as develop an understanding of the culturally situated, creative, and heroic ways women are standing up to gender oppression and shaping change within their local communities and nations. Credit may be awarded for either WGS 302 or SOC 345 but not for both. WGS 302 was formerly known as SOCSC 352.

### WGS 304      Women and Human Rights      3 Units

*Same As: SOC 347*

*Prerequisite: None.*

*Advisory: ENGRD 110 and ENGWR 101 or ESLR 340 and ESLW 340, with grades "C" or better.*

*Course Transferable to CSU*

*Hours: 54 hours LEC*

Through global and transnational feminist perspectives, this course provides an overview of human rights ideas and frameworks, including the history and ongoing implementation of United Nations conventions, treaties, and campaigns concerning women. The course will consider the complex and gendered social, economic, and political impacts of globalization on women and girls around the world. Students will learn to critically engage with theories, approaches, and representation related to improving the lives of women in the global context and will learn about key human rights defenders who are recognized for their activism. Students will consider their own place in a globalized world and utilize course knowledge to think about their role in creating justice in the world. Credit may be awarded for either WGS 304 or SOC 347 but not for both.

# Work Experience

## WEXP

### Cooperative Work Experience Education and Internship Program

**Division of Counseling and Student Success**  
**Dr. Andre Coleman, Dean**  
**Rodda Hall North, room 111**  
**916-558-2289**

#### Program Description

Cooperative Work Experience (WEXP) is an experiential academic program where students apply what they have learned in the classroom to a work environment. The program offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work.

#### Enrollment Eligibility

Students must be working in a job, internship or volunteer position, paid or unpaid, by the second week of a full semester or first week of a second-eight week or summer session. The student must have a cooperating employer to remain enrolled in a WEXP course. Positions must be in the greater Sacramento region for instructor site visits. Students needing assistance in finding a qualifying position should go to the WEXP Program website [www.scc.losrios.edu/  
workexperience/](http://www.scc.losrios.edu/workexperience/) or the WEXP Program office located in the Counseling Department – Rodda Hall North, room 147. Students may be enrolled in only one Work Experience course at a time.

#### Qualifications

- a) 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.
- b) Occupational Work Experience 498: The student must be working in a job, internship, or volunteer position related to the student's major.
- c) 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 or unpaid work experience. General Work Experience students may earn up to three (3) units each semester for a total of 12 units. Occupational Work Experience students may earn up to four (4) units each semester for a total of 16 units. General and Occupational Work Experience credits may be combined but no student can earn more than 16 units total. Students will be issued time sheets for recording 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 at a mandatory orientation at the beginning of each semester. All courses are online, but is subject to change each semester. Consult your class schedule before enrollment. Each student will be required to develop job-related learning objectives in coordination with the employer and the instructor. Other course material will be related to career development and the labor market or the workplace in general.

#### Summer Session

Work Experience courses are available during the summer session.

**Work Experience courses are available in several instructional 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
  - Biology – BIOL 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
  - Surveying – SURVY 498
  - Theatre Arts – TA 498
- Internship courses are available and will be listed in the class schedule as follows:
- Kinesiology – KINES 497
  - Political Science – POLS 497
  - Real Estate – RE 497

## Work Experience (WEXP)

### 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. Students may take up to 16 units total across all Work Experience course offerings. This course may be taken up to four times when there are new or expanded learning objectives. Only one Work Experience course may be taken per semester.

### WEXP 498 Work Experience in (Subject) 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 student's 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.





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## 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**

Michael Gutierrez

#### **Vice Presidents**

Administration  
Instruction  
Student Services

Carrie Bray  
Albert J. Garcia, Ed.D.  
To Be Announced

#### **Associate Vice Presidents**

Economic and Workforce Development  
Enrollment and Student Services  
General Education and Outreach Programs

Gabriel Meehan  
Kimberley McDaniel, Ph.D.  
Virginia McReynolds

#### **Deans**

Advanced Technology  
Behavioral and Social Sciences  
Business and Computer Information Science  
Counseling and Student Success  
Davis Center  
Financial Aid and Student Success  
Humanities and Fine Arts  
Information Technology  
Kinesiology, Health, and Athletics  
Language and Literature  
Learning Resources  
Mathematics/Statistics and Engineering  
Planning, Research, and Institutional Effectiveness  
Science and Allied Health  
Student Equity and Success  
West Sacramento Center

Donnetta Webb  
Kasey Gardner  
Deborah L. Saks, Ph.D.  
Andre V. Coleman, Ph.D.  
Andrea Gaytan  
Miguel Molina, Ph.D.  
Chris R. Iwata  
Kirk R. Sosa  
Mitchell L. Campbell  
Robin Ikegami, Ph.D.  
Kevin M. Flash  
Daniel Styer, Ph.D.  
Marybeth Buechner, Ph.D.  
James Collins, J.D.  
Molly Springer, Ed.D.  
Art Pimentel, Ed.D.

#### **Additional Senior Leadership Members**

Administrative Services Director  
College Store Manager  
Communications and Public Information Officer  
Director of Donor Relations  
Los Rios Police Captain  
Nursing Program Director  
HSI-SAGE Director  
HSI-STEM Director

Margaret Lednický  
Marie Hyde  
Kaitlyn MacGregor  
William "Dan" McCarty  
John McPeek  
Carel Mountain, D.N.P.  
Rosana Chavez-Hernandez  
Martin M. Ramirez

## Administrators

**Bray, Carrie (2017)**

Vice President, Administrative Services  
B.S., M.S., California State University, Sacramento

**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

**Chavez-Hernandez, Rosana (2018)**

Director, HSI [Grant Project](#)  
B.A., M.A., California State University, Sacramento

**Coleman, Andre V. (2016)**

Dean, Counseling and Student Success  
B.A., Occidental College  
M.S., California State University, Long Beach  
Ph.D., Touro University

**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

**Flash, Kevin M. (2015)**

Dean, Learning Resources  
B.S., The Ohio State University  
M.A., California State University, Sacramento

**Garcia, Albert J. (1991)**

Vice President, Instruction  
B.A., California State University, Chico  
M.F.A., University of Montana  
Ed.D., Benedictine University

**Gardner, Kacey (2018)**

Dean, Behavioral and Social Sciences  
A.A., Moorpark College  
B.S., Western Kentucky University  
M.A., University of the Pacific  
M.B.A., Saint Mary's College of California

**Gaytan, Andrea (2018)**

Dean, Davis Center  
B.A., University of California, Davis  
M.A.T., School of International Training, Vermont

**Gutierrez, Michael (2017)**

College President  
A.B., Princeton University  
M.P.A., University of Texas at Austin, Lyndon B. Johnson School of Public Affairs

**Hyde, Maria (2018)**

Manager, College Store  
B.S., California State University, Sacramento

**Ikegami, Robin (2019)**

Dean, Language and Literature  
M.A., B.A., California State University, Sacramento  
Ph.D., University of Michigan

**Iwata, Chris R. (1982)**

Dean, Humanities and Fine Arts  
B.A., M.A., California State University, Northridge

**Lednický, Margaret (2016)**

Director, Administrative Services  
B.Arch., University of Kansas

**McCarty, William D. (2018)**

Director of Donor Relations  
B.A., Colorado State University  
M.A., University of Colorado

**McDaniel, Kimberley (2018)**

Dean, Counseling and Student Success  
B.A., University of California, Berkeley  
M.A., California State University, Northridge  
Ph.D., University of Southern California

**McReynolds, Virginia (2019)**

Associate Vice President, Instruction  
M.A., B.A., California State University, Sacramento  
M.F.A., Goucher College, Maryland

**Meehan, Gabriel (2014)**

Associate Vice President, Instruction, Economics & Workforce Development  
B.A., University College, Galway, Ireland  
M.A., California State University, Sacramento

**Molina, Miguel (2018)**

Dean, Financial Aid & Student Success  
B.A., M.A., California State University, Sacramento  
Ph.D., University of California, Davis

**Mountain, Carel (2016)**

Director, Nursing Programs  
A.S., Pacific Union College  
B.S., Pacific Union College  
M.S.N., Sonoma State University  
D.N.P., California State University, Fresno

**Pimentel, Art (2014)**

Dean, West Sacramento Center  
B.A., M.A., California State University, Sacramento  
Ed.D., University of California, Davis

**Ramirez, Martin (2017)**

Director, HSI-Science, Technology, Engineering, Mathematics (STEM)  
A.A., American River College  
B.A., California State University, Northridge  
M.A., California State University, Sacramento

**Saks, Deborah (2012)**

Dean, Business and Computer Information Science Division  
B.S., M.B.A., Ph.D., Indiana University

**Sosa, Kirk R. (2018)**

Dean of Information Technology  
M.B.A., Brandman University

**Springer, Molly (2016)**

Dean, Student Equity and Success  
B.A., University of California, Los Angeles  
M.A., University of San Diego  
Ed.D., New England College

**Styer, Daniel L. (2003)**

Dean, Mathematics/Statistics and Engineering  
B.S., California State University, Sacramento  
Ph.D., University of California, Davis

**Webb, Donnetta (2005)**

Dean, Advanced Technology  
B.A., St Mary Woods, IN  
M.S., University of Nebraska, Lincoln NE

## Classified

### 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

<b>Abboushi, Dalal</b> Business Division	<b>Burbano, Jarom</b> Information Technology	<b>Cox, Kelly</b> Advanced Technology
<b>Adamovich, Sarah</b> West Sacramento Center	<b>Burks, Robert</b> City Café	<b>Crankfield, arnell</b> Mathematics/Statistics and Engineering
<b>Adams, Steven,</b> Custodial Services	<b>Callaghan, James</b> Advanced Technology	<b>Cross, Dolores</b> Learning Resources
<b>Adan, Alexander</b> Learning Resources	<b>Castelle, Michael</b> Custodial Services	<b>Cull, Jay</b> Planning and Research
<b>Adger, Valerie</b> Counseling	<b>Cavazos, Laura</b> Custodial Services	<b>Dalske, Aurora</b> DSPS
<b>Agbodike, Emeka</b> Custodial Services	<b>Cervantes, Alexander</b> Admissions and Records	<b>Daly, Catherine</b> Learning Resources
<b>Aguirre-Barr, Silvia</b> Business Division	<b>Chekmarev, Vladimir</b> Custodial Services	<b>Dangerfield, Chris</b> Science and Allied Health
<b>Allenby, Derek</b> DSPS	<b>Chekmareva, Anna</b> Learning Resources	<b>Daniels, Diana</b> Davis Center
<b>Alvarado, Jorge</b> Language and Literature	<b>Cheung, Man</b> Mathematics/Statistics and Engineering	<b>Dao, Tung</b> Custodial Services
<b>Ameerzada, Ahmad Sear</b> Instructional Services	<b>Chewning, Karen</b> Operations	<b>Davis, Claire</b> Learning Resources
<b>Bailey, Scott</b> Humanities and Fine Arts	<b>Childress, Creed</b> Advanced Technology	<b>Davis, Rueben</b> Kinesiology, Health, and Athletics
<b>Bain, Rebecca</b> College and Community Relations	<b>Chu, Madeline</b> Business Services	<b>D'Cruz, Margaret</b> Business Division
<b>Bates, Rukiya</b> Financial Aid	<b>Chu, Jennifer</b> EOP&S	<b>Decamp, Christine</b> Instructional Services
<b>Belmares, Sandra</b> Student Development	<b>Ciddio, Josephine</b> Administrative Services	<b>Delgadillo, Linda</b> Assessment
<b>Bender, Eduard</b> Custodial Services	<b>Ciofi-Huang, Mei</b> Davis Center	<b>Denley-Willis, Kimberly</b> College Store
<b>Benedychuk, Vasyl</b> Humanities and Fine Arts	<b>Cisneros, Michael</b> Admissions and Records	<b>Divanyan, Andranik</b> Information Technology
<b>Bernstein, Stacy</b> DSPS	<b>Cobian, Ramona</b> CalWorks	<b>Dolan, Mary T.</b> Instructional Services
<b>Bonner, Temperance</b> Financial Aid	<b>Colbert, Anthony</b> Custodial Services	<b>Dorn, Kathleen</b> EOP&S
<b>Bravo, Anel</b> Student Development	<b>Conger, Tami</b> Advanced Technology	<b>Doxon, Sara Alicia</b> Science and Allied Health
<b>Brotherton, Carly</b> Learning Resources	<b>Conver, James</b> Custodial Services	<b>Driver, Tammi</b> Davis Center
<b>Brown, Reginald</b> Admissions and Records	<b>Cooper, Ruth</b> Custodial Services	<b>Duques-Acacio, Melba</b> Financial Aid
<b>Brushchenko, Aleksandr</b> Custodial Services	<b>Cooper, Andrea</b> Instructional Services	<b>Eberhardt, Amy</b> Financial Aid
<b>Buckner, Brenda</b> Operations A.A., General Education, Sacramento City College B.S., Business Administration, California State University Sacramento	<b>Corona-Lira, Horacio</b> Student Services	<b>Ellison-Vincent, Evan</b> Custodial Services
	<b>Cotton, Vincent</b> Custodial Services	<b>Facciuto, Meghan</b> Learning Resources

<b>Flores, Baleria</b> Learning Resources	<b>Hibbard, Linda</b> DSPS	<b>Kozikowska, Barbara</b> Business Services Office
<b>Florez, Robert</b> Custodial Services	<b>Hill, James</b> Learning Resources	<b>Kozikowski, Jacek</b> Davis Center
<b>Fong, Brandon</b> High School Outreach & Recruitment	<b>Hirkala, Carmen</b> Mathematics/Statistics and Engineering	<b>Kusaba, Tatsuno</b> Duplicating Services
<b>Fong, Miriam</b> Humanities and Fine Arts	<b>Ho, Tiffanie</b> Planning and Research	<b>Kwong, Daniel</b> Information Technology
<b>Foreman, Alisa</b> Financial Aid	<b>Hoang, Lan</b> Planning and Research	<b>Lagat, Charito</b> Financial Aid
<b>Foster, Cassandra</b> DSPS	<b>Hockaday, Laurie</b> Business Division	<b>Lam, Elizabeth</b> Student Services
<b>Gage, Charlene</b> Learning Resources	<b>Hughins, Jacob</b> Admissions and Records	<b>Lam, Peter</b> Information Technology
<b>Garcia, Coral</b> Business Services	<b>Hunter, Leland</b> West Sacramento Center	<b>Lanham, Ashley</b> Language and Literature
<b>Garcia, Jaime</b> Custodial Services	<b>Irwin, Kelly</b> West Sacramento Center	<b>Larsen, Rachel</b> College and Community Relations
<b>Garza, Delissa</b> EOP&S	<b>Iwamasa, Debra</b> Financial Aid	<b>Laugenour, John (Hunter)</b> Operations
<b>George, Margaret</b> Learning Resources	<b>Jackson, David</b> Kinesiology, Health, and Athletics	<b>Lee, Linda</b> Assessment
<b>Gibbs, Ashley</b> Health Services	<b>Jaime Chavez, Beatrice</b> Humanities and Fine Arts	<b>Lee, Jennifer</b> Learning Resources
<b>Gitonga, Michelle</b> Mathematics/Statistics and Engineering	<b>Jakab, Alena</b> Custodial Services	<b>Lee, Crystal</b> President's Office
<b>Glenn, Ryan</b> DSPS	<b>Jensen, Lydia</b> Science and Allied Health	<b>Lee, Wendy</b> West Sacramento Center
<b>Goff, Martha</b> Science and Allied Health	<b>Jimenez, Mayra</b> International Students	<b>Lepper, Haley</b> Student Development
<b>Goff, Kimberly</b> Admissions and Records	<b>Jones, Roosevelt</b> Advanced Technology	<b>Levy, Blanche</b> Admissions and Records
<b>Hale, Gary</b> Custodial Services	<b>Juge, Joseph</b> Custodial Services	<b>Li-Gherman, Cui</b> Mathematics/Statistics and Engineering
<b>Hamilton, Terri</b> Humanities and Fine Arts	<b>Kaufman, Michael</b> Kinesiology, Health, and Athletics	<b>Linares, Fernanda</b> Child Development Center
<b>Hart, Craig</b> Matriculation and Student Development	<b>Kekahu, Malissa</b> President's Office	<b>Lind, Steven</b> Custodial Services
<b>Harvey, Michael</b> Receiving	<b>Kelly, Robert</b> Information Technology	<b>Lockhart, Valerie</b> RISE Program
<b>He, Candy</b> Language and Literature	<b>Knowles, Deborah</b> 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	<b>Lockwood, David</b> Business Services Office
<b>Heidelberg, Courtney</b> Admissions and Records		<b>Lodzhanskiy, Natalya</b> West Sacramento Center
<b>Her, Stephanie</b> Business Services Office		<b>Loeza, Regina</b> Science and Allied Health
<b>Hernandez, Tania</b> Student Development		<b>Louie, Philip</b> Language and Literature
<b>Hernandez, Andrea</b> Advanced Technology		<b>Love, Laura</b> Kinesiology, Health, and Athletics
<b>Herrera-Watanabe, Maria</b> Kinesiology, Health, and Athletics		<b>Lusk, Kellie</b> City Cafe

<b>Lynch, Elizabeth</b> Kinesiology, Health, and Athletics	<b>Osai, Elisabeth</b> Financial Aid	<b>Romero, Daniel</b> Kinesiology, Health, and Athletics
<b>MacGregor, Kaitlyn</b> President's Office	<b>Osorio, Eduardo</b> Student Development	<b>Rose, Rosa</b> Student Development
<b>Mack, Karin</b> Student Services	<b>Pair, Gerald</b> Custodial Services	<b>Ruchko, Tatyana</b> Financial Aid
<b>Mack, Courtnee</b> Student Services	<b>Panag, Jennifer</b> Language and Literature	<b>Rud, Yelena</b> Financial Aid
<b>Maghanoy, Restituto</b> Duplicating Services	<b>Papke, Larry</b> Advanced Technology	<b>Ruiz, Ruben</b> Financial Aid
<b>Marsant, Irina</b> Student Services	<b>Patino, Anita</b> Financial Aid	<b>Ruiz, Maria</b> Counseling
<b>Marsant, Stanislav</b> Science and Allied Health	<b>Pedersen, Dawn</b> Information Technology	<b>Rust, America</b> Admissions and Records
<b>Martin, David</b> Learning Resources	<b>Perez, Cristina</b> College Store	<b>Ryan, Judith</b> Duplicating Services
<b>McAnelly, Blair</b> EOP&S	<b>Perry, Ariana</b> Counseling	<b>Sagaydak, Elena</b> College Store
<b>Melkonyan, Gegham</b> Mathematics/Statistics and Engineering	<b>Perry, Marilyn Keefe</b> Instructional Services	<b>Sakaishi, Mitchell</b> Learning Resources
<b>Melo, Louisa</b> Operations	<b>Phelps, Tanner</b> Kinesiology, Health, and Athletics	<b>Salem, Hermenio</b> City Cafe
<b>Mendoza-Marin, Margarita</b> Behavioral & Social Sciences	<b>Phillips, Catherine</b> Financial Aid	<b>Sanders, Juanita</b> DSPS
<b>Michael, Kristie</b> Administrative Services	<b>Pinkston, Kathryn</b> Learning Resources	<b>Sekikawa, Allison S.</b> Graphic Impressions Reprographics Supervisor B.A., California State University, Chico
<b>Mishra, Ashmeeta</b> West Sacramento Center	<b>Poole, Tamara</b> Kinesiology, Health, and Athletics	<b>Seydel, Samuel</b> Business Division
<b>Mohibi, Abdullah</b> Mathematics/Statistics and Engineering	<b>Pulskamp, Cailin</b> Financial Aid	<b>Shewmaker, Nick</b> College Store
<b>Molina, Zelene</b> Student Services	<b>Ramirez, Alexandra</b> Davis Center	<b>Shoffner, David</b> Custodial Services
<b>Montgomery, Michie</b> West Sacramento Center	<b>Ramirez, Yolanda</b> Counseling	<b>Sholomytska, Nina</b> Mathematics/Statistics and Engineering
<b>Mosleh, Firas</b> Counseling	<b>Raynard, Paul</b> Student Development	<b>Shutak, Elizabeth</b> Learning Resources
<b>Moua, Lee</b> Student Services	<b>Razo, Heather</b> Humanities and Fine Arts	<b>Shyrochyna, Aksana</b> Instructional Services
<b>Murillo, Catherine</b> Learning Resources	<b>Retter, Evelyn</b> Student Services	<b>Sieler, Gary</b> Custodial Services
<b>Nakano, Quinn</b> Graphic Impressions	<b>Reyes, Rocio</b> Learning Resources	<b>Sivell, Nicole</b> Humanities and Fine Arts
<b>Nguyen, William</b> Business Division	<b>Reyes-Quillin, Laura</b> Admissions and Records	<b>Smith, Stephanie</b> Business Services Office
<b>Nguyen, My</b> Child Care Center	<b>Robertson, Velisa</b> Student Development	<b>Smithson, Pamela</b> Custodial Services
<b>Obi, Anthony</b> Business Division	<b>Robinson, Shakeya</b> Business Services Office	<b>Souza, Monica</b> Counseling
<b>Odipo, Denis</b> College Store	<b>Rodrian, Shannon</b> Admissions and Records	<b>Sterken, Dale</b> Information Technology
<b>Oldham, Robert</b> Science and Allied Health	<b>Rodriguez, Jose</b> Custodial Services	

<b>Takeda, Andrea</b> Graphic Impressions	<b>Williams, Kevin</b> Information Technology
<b>Tang, Kenneth</b> Advanced Technology	<b>Wolf, Gary</b> Custodial Services
<b>Teh, Peng</b> Information Technology	<b>Wong, Laura E</b> Admissions and Records
<b>Thao, Cha</b> Allied Health	<b>Wong, Laura S</b> Admissions and Records
<b>Tharp, Kate</b> Child Development Center	<b>Wright, Amy</b> Custodial Services
<b>Thompson, Madeline</b> West Sacramento Center	<b>Wyckoff, Bryan</b> Information Technology
<b>Thornton, Crystal</b> Behavioral & Social Sciences	<b>Xiong, Pinky</b> Graphic Impressions
<b>Tkachenko, Dmitriy</b> College Store	<b>Yamamoto, Valerie</b> Science and Allied Health
<b>Tran, Danh</b> Custodial Services	<b>Yang, May</b> Counseling
<b>Tran, Minh</b> CalWorks	<b>Zakaryan, Ruzanna</b> Admissions and Records
<b>Tsang, Jeremy</b> Information Technology	<b>Zanardelli, Marina</b> DSPS
<b>Tse, Ka Shun</b> Advanced Technology	<b>Zarek, Sadat</b> Child Development Center
<b>Tutunik, Valeriy</b> Learning Resources	<b>Zigler, Lauren</b> Business Services Office
<b>Tuzza, Pamela</b> Financial Aid	
<b>Umphred, Kandy</b> Admissions and Records	
<b>Vang, See</b> EOP&S	
<b>Vang, Yee</b> Financial Aid	
<b>Vazquez, Luz</b> Davis Center	
<b>Velez, Hannia</b> Instructional Services	
<b>Vincent, Anthony</b> Custodial Services	
<b>Virdure, Amy</b> Operations	
<b>Waldorf-Sifuentes, Sol</b> Information Technology	
<b>Wattier, Taunya</b> Administrative Services	
<b>White, Douglas</b> Custodial Services	
<b>Whittington, David</b> Kinesiology, Health, and Athletics	
<b>Williams, James</b> Custodial Services	

## 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.

## Faculty

- 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, Catherine (2016)**

Art History/Humanities  
 B.A., University of California, Davis  
 M.A., University of California, Davis  
 Ph.D., Brown University

**Anderson, Kevin M. (2001)**

Computer Information Science  
 B.S., California State University, Fresno  
 B.S., M.B.A., California State University, Stanislaus  
 Microsoft Certified Trainer (MCT)  
 Microsoft Certified Systems Engineer (MCSE)  
 Microsoft Certified Database Administrator (MCDBA)  
 Microsoft Certified Professional + Internet (MCP + I)  
 Cisco Certified Network Associate (CCNA)  
 Certified Novell Engineer (CNE)  
 Linux Certified Professional (LCP)  
 A+ Certified Service Technician (A+)  
 Network + (N+)  
 i-Net + (inet +)

**Andrews, Dean (2016)**

Accounting  
 B.S., University of San Francisco  
 M.B.A., Loyola University Chicago  
 M.S., Loyola University Chicago

**Armstrong, Dana (2016)**

English  
 B.A., University of California, Berkeley  
 M.A., University of California, Davis

**Arya, Palwasha (2008)**

Biology  
 B.A., California State University, Hayward  
 M.S., California State University, Sacramento

**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

**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

**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

**Boyd, Halsey (2017)**

Mathematics Lab Coordinator  
 B.S., M.S., University of Calgary

**Bui, Dinh (2007)**

Counselor  
 B.A., M.S., California State University, Sacramento

**Buonauro, John (2014)**

Mechanical-Electrical Technology  
 Joint Journeyman Apprentice Training Center H.V.A.C., Apprenticeship Local 250, Los Angeles  
 A.A., Cosumnes River College

**Burg, Thomas (2016)**

Aeronautics/Flight Technology  
 American Management Association - Online Teaching Certification - Level 1  
 Teaching English to Speakers of Other Languages (TESOL), Certification  
 B.S., Rollins College

**Burrell, Karen I. (2008)**

English  
 B.S., Michigan State University  
 M.Ed., Texas State University, San Marcos  
 J.D., University of Michigan

**Button, Donald (2006)**

Design and Digital Media  
 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)**

Design and Digital Media  
 Certificate, Digital Illustration and Image Editing, Sacramento City College  
 A.A., Fashion Institute of Design and Merchandising, San Francisco  
 B.A., University of California, Los Angeles

**Carbary, Kathleen (2015)**

Psychology  
 B.A., Reed College  
 M.A., Ph.D., University of Rochester, New York

**Carberry-Goh, Karen (2005)**

Biology (Microbiology)  
 B.S., D.V.M., M.P.V.M., University of California, Davis  
 Ph.D., Cornell University

**Carmazzi, Paul L. (1991)**

Kinesiology, Health, and Athletics  
 A.A., Sacramento City College  
 B.S., M.A., M.B.A., California State University, Sacramento

**Castaneda, Denise (2007)**

English  
 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
- Chevraux-FitzHugh, Adrian (2008)**  
 Sociology  
 B.A., M.A., Humboldt State University
- Christian, Jeffrey J. (2007)**  
 Nursing  
 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
- 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., University of California, Los Angeles
- Clark, Kevin E. (2002)**  
 Deaf Studies and American Sign Language  
 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)**  
 Design and Digital Media  
 B.A., California State University,  
 Sacramento  
 M.A., School of Visual Arts, New York
- 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
- Dale, Nicholas (2018)**  
 Mathematics  
 A.A., San Joaquin Delta College  
 B.S., California State University,  
 Sacramento  
 M.S., University of West Florida
- Daley, Carlin (2017)**  
 Occupational Therapy Assistant  
 M.S., University of Southern California  
 M.S., Pepperdine University  
 Ph.D., University of Southern California
- Dana, Maureen L. (2000)**  
 English  
 B.A., University of California, Santa  
 Barbara  
 M.A., Ph.D., Claremont Graduate  
 University
- Chemistry  
 B.S., Ph.D., University of California, Davis**
- Davis, Craig A. (2000)**  
 Geography  
 B.S., University Nebraska at Omaha  
 M.A., University of Kansas
- Davis, Tony P. (2009)**  
 Counselor  
 B.S., M.S., California State University,  
 Chico
- DeGennaro, Paul (2007)**  
 Biology  
 B.S., California State University, Chico  
 M.S., California State University, Hayward  
 Ph.D., University of California, Davis
- Deglow, Annette (1964)**  
 Mathematics  
 B.S., University of Oregon  
 M.S., University of Arizona  
 M.L.S., California State University,  
 Sacramento
- De Guzman, Emmylou (2017)**  
 Nursing, LVN  
 B.S.N., Martinez Memorial College  
 M.S.N., University of La Salle
- DeMartini, Dawna L. (2015)**  
 English  
 B.A., M.A., California State University,  
 Sacramento
- DeMey, Suzanne L. (2015)**  
 Accounting  
 A.A., Antelope Valley College  
 B.S., California State University, Northridge  
 M.B.A., California State University,  
 Sacramento
- Dennis, Mark (2014)**  
 Psychology  
 B.A., M.S., University of South Alabama
- Dewar Jr., Robert E. (2004)**  
 Kinesiology, Health, and Athletics  
 B.A., California State University, Stanislaus  
 M.A., University of Phoenix
- Dibble, Cindy (2016)**  
 Mathematics  
 B.S., University of California, Berkeley  
 M.A., California State University,  
 Fullerton
- 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
- Doron, David A. (2017)**  
 Physical Therapy Assistant  
 B.S., California State University, Chico  
 M.P.T., California State University,  
 Sacramento  
 D.P.T., A.T. Still University
- DuVernay, Tara N. (2015)**  
 Mathematics  
 A.A., Yuba Community College  
 B.A., Humboldt State University  
 M.A., California State University,  
 Sacramento
- Estabrook, Paul (2007)**  
 Photography  
 A.A., Sacramento City College
- 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

- Felker, Jeffery J. (2015)**  
 English  
 A.A., American River College  
 B.A., M.A., California State University,  
 Sacramento
- Fellman, Melissa (2011)**  
 Dental Health  
 B.S.D.H., Loma Linda University, CA  
 M.P.H., University of Nevada,
- Fitzpatrick, Kenneth E. (1999)**  
 Engineering Design Technology  
 B.S., Oakland University  
 Licensed Mechanical Engineering, State of  
 California
- Fonda, Gioia (2008)**  
 Art Paint/Draw  
 B.F.A., California College of Arts  
 M.F.A., School of Visual Arts, New York
- 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
- Frazier, Surangi (2015)**  
 History  
 B.A., University of California, Irvine  
 M.A., University of California, San Diego
- Freas, Adam (2008)**  
 Counselor, EOP&S  
 B.A., M.S., California State University,  
 Sacramento
- Garcia, Mari Carmen (2005)**  
 Spanish  
 B.A., California State University,  
 Sacramento  
 M.A., Ph.D., University of California, Davis
- Gary, Lara K. (2002)**  
 English  
 B.A., M.A., California State University,  
 Fresno  
 Ph.D., University of California, Davis
- Gentry, Richard (2016)**  
 Mechanical Electrical Technology (MET)  
 Certificate of Accomplishment, Pentair  
 Water Training, Sacramento
- Gilley, Shannon R. (2007)**  
 Counselor  
 B.S., Texas A & M University  
 M.S., California State University,  
 Sacramento
- 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
- Goehring, Kevin S. (2015)**  
 Aeronautics  
 A.S., Sacramento City College
- Gomez, Tracey L. (2010)**  
 English  
 B.A., California State University Stanislaus,  
 Turlock  
 M.S., Walden University, Minneapolis
- Gomez, Wendy (2008)**  
 College Nurse  
 B.S.N., P.H.N., M.S.N., School Nurse  
 Credential, California State University,  
 Sacramento
- Gonzales, Stephen T. (2001)**  
 Mathematics  
 B.S., M.S., California State University,  
 Chico
- Gonzalez, Mauricio (2005)**  
 Counselor  
 A.A., Cuesta Community College  
 B.A., Sonoma State University  
 M.A., San Jose State University
- Goodchild, Rebecca (2017)**  
 Public Services Librarian  
 B.A., California State University,  
 Sacramento  
 M.A., San Jose State University
- 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
- Grofe, Michael J. (2015)**  
 Anthropology  
 B.S., University of Miami  
 M.A., California Institute of Integral Studies  
 Ph.D., University of California, Davis
- Guzman, Sandra (2013)**  
 Counselor  
 B.A., California State University, Chico  
 M.A., University of San Francisco
- Haag, Janis L. (1993)**  
 Journalism/English  
 B.A., M.A., California State University,  
 Sacramento
- 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
- Hanson, Steve A. (2015)**  
 Head Intercollegiate Aquatics Coach  
 (Women's Water Polo, Men & Women's  
 Swimming)  
 B.A., Santa Clara University  
 M.S., California State University,  
 Sacramento
- Harris-Jenkinson, Patricia M. (1999)**  
 Instructor/Coordinator, Speech  
 Communication  
 B.S., M.A., California State University,  
 Sacramento
- Harvey, Jonathan (2006)**  
 Counselor  
 B.S., Northwestern University  
 M.S., John F. Kennedy University
- Heningburg, Keith R. V. (1999)**  
 History  
 A.A., Washtenaw Community College  
 B.S., M.A., Eastern Michigan University  
 M.A., University of California, Davis
- Herlihy, John (2016)**  
 Kinesiology/Football Coach  
 A.A., Sacramento City College  
 B.A., University of California, Davis  
 M.S.S., United States Sports Academy
- Hodge, Tracey (2013)**  
 Coordinator, Work Experience  
 A.S., Lehigh County Community College  
 B.V.E., California State University,  
 Sacramento  
 M.A., Chapman University
- Hoerl, Ada B. (2007)**  
 Occupational Therapy Assistant  
 A.S., Sacramento City College  
 B.S., Rochester Institute of Technology  
 M.A., California State University,  
 Sacramento  
 Certified Occupational Therapy Assistant/  
 Licensed
- Holland, Gina (2006)**  
 Biology  
 B.A., Indiana University-Bloomington  
 Ph.D., University of Wisconsin, Madison

- Holt, Julie A. (1999)**  
Nursing  
B.S.N., California State University, Chico  
M.S.N., University of Colorado Health Science Center
- Huang, Ling (2001)**  
Chemistry  
B.S., East China Normal University, Shanghai  
Ph.D., University of California, Davis
- Hunter, Mark A. (2014)**  
Mathematics  
A.A., Cosumnes River College  
B.A., St. Martin's College  
M.S., Western Washington University, Bellingham
- 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
- Hwang, Joel (2016)**  
Chemistry  
B.S., National Tsing Hua University  
Ph.D., 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, 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
- Jauregui, Lorena (2018)**  
MESA/CCCP Coordinator  
B.S., University of California, Davis  
M.S., California State University, Sacramento  
D.E., UC Davis and Sonoma State University
- Jensen, Andre M. (2009)**  
Philosophy  
A.A., Modesto Junior College  
B.A., California State University, Stanislaus  
M.A., University of California, Davis
- Johnson, Denise M. (2005)**  
Biology (Anatomy & Physiology)  
B.S., University of California, San Diego  
M.S., University of California, Davis
- Johnson, Ilana (2013)**  
Anthropology  
B.A., University of Michigan  
M.A., University of California, Los Angeles  
Ph.D., University of California, Los Angeles
- Johnson, Lawrence F. (1999)**  
Aeronautics  
A.S., Chaffey College  
B.S., California State Polytechnic University, Pomona
- Jones, Andrew B. (2001)**  
Kinesiology, Health, and Athletics  
B.A., University of California, Berkeley  
M.S., California State University, Sacramento
- Jones, Christine (2016)**  
Dental Hygiene  
A.S., Sacramento City College
- Kaina, Abdelaziz (2017)**  
Computer Information Science Certificate, Denver Technical College  
M.S., Keller Graduate School of Management  
M.S., New Mexico Institute of Mining & Technology
- Karlsen, Jeffrey (2008)**  
Public Librarian  
B.A., M.A., University of California, Berkeley  
M.L.I.S., San Jose State University
- Kawamura, Sandra Y. (2001)**  
English As A Second Language  
B.A., University of California, Davis  
M.A., California State University, Sacramento
- Keys, Alan S. (2000)**  
Psychology  
B.A., California State University, Northridge  
M.A., Ph.D., University of California, Los Angeles
- Kiernan, Timothy C. (1991)**  
Kinesiology, Health, and Athletics  
A.A., American River College  
B.S., M.A., Central Michigan University
- Kirkpatrick, Nadine (2009)**  
Nutrition  
B.S., Ph.D., University of California, Davis
- Knorr, Jeffrey S. (2001)**  
English  
B.A., M.A., California State University, Chico
- Knudson, Kandace (2016)**  
Distance Education Coordinator  
B.A., M.A., California State University  
Ph.D., University of California, Davis
- Krofcheck, Bryan M. (2014)**  
Computer Information Science  
B.S., M.S., Georgia State University
- LaChica, Juan (1976)**  
Counselor  
B.A., University of California, Davis  
M.S., University of Southern California
- Laird, Hayley (2016)**  
English  
B.A., University of California, Santa Cruz  
M.A., San Francisco State University
- 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 (Lonnlie) J. (2001)**  
Mathematics  
B.A., M.A., California State University, Sacramento
- Leonard, Duane (2013)**  
English as a Second Language  
B.A., University of New Brunswick, Saint John  
M.A., Ph.D., University of California, Davis
- Lepe, Leonela (2015)**  
Counselor  
B.A., San Diego State University  
M.S., California State University, Sacramento
- Lewis, Ann (2001)**  
English  
A.S., Yuba College  
B.A., University of California, Davis  
M.A., California State University, Sacramento
- Limon Guzman, Jesus (2016)**  
English  
A.A., Sacramento City College  
B.A., California State University, Sacramento  
M.A., California State University, Sacramento
- Lindell, Pamela N. (2001)**  
Anthropology  
B.A., California State University, Humboldt  
M.A., Ph.D., University of Nevada, Reno
- Little, Myra (Sheley) (2010)**  
Computer Information Science  
B.A., National University, Sacramento  
M.A., California State University, Sacramento
- Logan, Shane (2016)**  
Sociology  
A.A., Mira Costa Community College  
B.A., University of California, Santa Barbara  
M.A., University of California, Davis

<b>Loomis, Debora A. (1994)</b> English As A Second Language B.A., M.S., M.A., California State University, Sacramento	<b>Martinez, Jesus E. (1994)</b> Mathematics A.A., East Los Angeles College B.A., M.S., California State University, Los Angeles	<b>Muther, Shantra H. (2008)</b> English As A Second Language B.A., University of California, Davis M.A., California State University, Sacramento
<b>Lopez, Antonio J. T. (2015)</b> Public Services Librarian B.A., Humboldt State University M.L.I.S., University of California, Los Angeles	<b>Masterson, Patricia J. (1999)</b> Deaf Studies and American Sign Language A.A., Sacramento City College	<b>Myers, Linda (2016)</b> English B.A., California State University, Sacramento M.A., California State University, Sacramento
<b>Lorenz, Norman (2008)</b> Early Childhood Education Certificate, Montessori Teachers College, Sacramento Certificate, Montessori Teachers, San Diego B.A., M.A., California State University, Sacramento	<b>May, Alexander R. (1996)</b> Mathematics B.A., M.A., California State University, Sacramento	<b>Myers, Troy A. (1999)</b> English B.A., M.A., California State University, Long Beach M.F.A., University of Southern, Main
<b>Lucas, Andrea K. (2008)</b> Spanish B.A., Universidad de Concepcion, Chile M.A., California State University, Sacramento	<b>May, Virginia S. (1997)</b> Mathematics B.A., M.A., California State University, Sacramento	<b>Naganuma, Kenneth H. (1990)</b> Biology B.A., University of California, Los Angeles M.S., Ph.D., Stanford University
<b>Lucien, Darreis V. (1988)</b> Nursing A.A., El Camino City College B.S.N., Long Beach State University M.N., University of California, Los Angeles	<b>McDaid, Liam I. (2001)</b> Astronomy B.S., Pennsylvania State University M.S., New Mexico State University (Astronomy) M.A., New Mexico State University (Physics)	<b>Nash, Laurie J. (2003)</b> Kinesiology A.A., American River College B.A., California State Polytechnic University, Pomona M.A., California State University, Sacramento
<b>Lum, Belinda C. (2015)</b> Sociology B.A., University of California, Santa Cruz M.A., Ph.D., University of Southern California	<b>McDonald, Patrick J. (2002)</b> Mathematics B.A., California State University, Fullerton M.A., California State University, Sacramento	<b>Newman, Toni J. (2015)</b> Coordinator/Counselor, Disabled Students Program and Services A.A., American River College B.S., University of Maryland M.S., National University, Sacramento
<b>Maeda, Richard (2017)</b> Nursing B.A., B.S., DeVry University	<b>Medina, Renee M. (2001)</b> Mathematics B.A., M.A., California State University, Sacramento	<b>Ngassam, Valery (2017)</b> Physics/Astronomy B.S., University of Yaound'e M.S., University of Douala M.S., University of Yaound'e Ph.D., University of Paris XI Orsay
<b>Malik, Jamil (2015)</b> Counselor A.A., American River College B.S., University of Maryland M.S., National University, Sacramento	<b>Mendez-Nunez, Luis R. (1999)</b> Mathematics B.S., M.S., University of Madrid Ph.D., University of Davis	<b>Nguyen, Anh (2015)</b> Counselor B.S., B.A., University of Irvine Ph.D., University of Southern California
<b>Maloney, Lori A. (1988)</b> Mathematics A.A., Santa Rosa Junior College B.A., San Francisco State University M.A., Ph.D., University of California, Davis	<b>Mesa, Felicia B. (2018)</b> Nursing B.S., San Jose State University M.S., University of California San Francisco	<b>Nuss, Linda M. (2002)</b> Chemistry B.S., M.S., University of California, Riverside M.A., National University
<b>Manriquez, Paul (2006)</b> Mathematics B.S., California State University, Los Angeles M.S., University of California, Riverside	<b>Miller, Nicholas (2007)</b> Sociology B.A., Pacific University, Forest Grove M.A., University of California, Davis	<b>Nuttall, Gabriella G. (2005)</b> English As A Second Language B.A., Universita degli Studi, Lecce, Italy M.A., California State University, Sacramento
<b>Manuel, Mara L. (2007)</b> Nursing B.S.N., M.S.N., California State University, Sacramento	<b>Miller, William JW. (2000)</b> Chemistry B.S., University of Delaware Ph.D., University of California, Davis	<b>Oh, Jang-Ha (2002)</b> Kinesiology B.S., M.Ed., Seoul National University
<b>Marks, Carrie S. (2013)</b> English A.B., Harvard College M.A., Middlebury College	<b>Mom, Brian (2014)</b> Business Law/Business B.A., M.B.A. St. Mary's College of CA	<b>Olivarez, Norma (2007)</b> Cosmetology Certificate, Dermal Institute, Sacramento Certificate, Paul Mitchell, Costa Mesa B.A.S.M., University of Phoenix
<b>Marshall, Doris (2016)</b> Nursing, VN Diploma, Registered Nurse B.S.N., California State University, Dominguez Hills	<b>Mukarram, Abida (2017)</b> Computer Information Science M.S., University of Bombay Ph.D., University of Oxford	
	<b>Muraki, Keith T. (1991)</b> Counselor B.S.W., M.S.W., San Francisco State	

- Olsen, Nancy (2006)**  
 English  
 B.A., California State University,  
 Los Angeles  
 M.A., Ph.D., University of California, Davis
- Paden, Sylvia (2018)**  
 Nursing (RN)  
 A.S., Sacramento City College  
 B.S., California State University, Sacramento  
 M.S., University of Michigan, Flint
- Parker, Leslie A. (2005)**  
 Counselor, Learning Disabilities Specialist,  
 DSP&S  
 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
- Peterson, Terry (2016)**  
 Studio Art (3D)  
 A.A., Shasta College  
 B.A., University of California, Santa Barbara  
 M.F.A., University of California, Davis
- Petite, Lori M. (2008)**  
 Communication  
 A.A., American River College  
 B.A., M.A., California State University,  
 Sacramento
- 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
- Pogue, Brian (2016)**  
 Instructional Development Coordinator  
 Single Subject CA Teaching Credential,  
 California State University, Sacramento  
 B.A., California State University, Chico  
 M.A., California State University,  
 Sacramento
- Polagruoto, 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
- Prudhel, Bradley (2018)**  
 Mechanical Electrical Technology  
 Certification, RSES Universal EPA  
 Refrigerant Handling  
 Certification, Liebert ICOM  
 Certification, United Association of Steam  
 Filters and Pipefitters Star
- Quandt, Timothy (2013)**  
 Philosophy  
 B.A., M.A., Taylor University  
 Ph.D., Claremont Graduate University
- 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)**  
 English  
 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
- Rice, Helen (2016)**  
 Nursing, VN  
 B.S.N., University of Wisconsin  
 M.S.N., Edgewood College
- 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
- Roberts, Joshua (2006)**  
 English  
 B.A., Credential  
 M.A., California State University,  
 Sacramento
- Rodriguez, Tanya (2015)**  
 Philosophy  
 B.A., San Jose State University  
 M.A., Ph.D., University of Minnesota, Twin  
 Cities
- Roffey, Robin A. (1997)**  
 Biology  
 A.A., Santa Fe Community College  
 B.S., University of Florida  
 Ph.D., Ohio State University
- Rohret, Valerie A. (2000)**  
 Art History  
 B.A., M.A., University of Utah  
 Ph.D., University of Iowa
- Rojas, Karla (2018)**  
 Mathematics  
 A.A., Los Medanos College  
 B.S., University of California, Davis  
 M.S., San Francisco State University
- Romero, Danny A. (2003)**  
 English  
 B.A., University of California, Berkeley  
 M.A., Temple University
- Rosenberger, Randy E. (1991)**  
 Mathematics  
 B.S., California State University,  
 Dominguez Hills  
 M.S., California State University, Los  
 Angeles

<b>Rowe, Stephanie (2018)</b> Accounting B.S., Rutgers University M.S., Keller Graduate School of Management	<b>Shiflet, Kurt (2006)</b> Music Music Performance, Guitar Institute of Technology, Hollywood B.M., M.A., California State University, Sacramento	<b>Sullivan, Christopher (2018)</b> Biology A.S., Santa Rosa Junior College B.S., University of California, Davis Ph.D., University of Arizona
<b>Ruedas, Sandra R. (2001)</b> Counselor, EOP&S A.A., Sacramento City College B.A., M.S., California State University, Sacramento Pupil Personnel Services Credential	<b>Siu, Jennifer H. (1989)</b> Nursing B.S.N., University of San Francisco M.S.N., University of Texas, Health Science Center Ed.D., California State University, Sacramento	<b>Sullivan, Derek (2014)</b> 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
<b>Sah, Tasneem K. (2017)</b> Coordinator/Counselor, College to Career B.A., California State University, Sacramento M.S., California State University, Sacramento	<b>Sjovold, Carl-Petter (2001)</b> History Certificate, Online Instruction, Cerro Coso College B.A., University of California, Berkeley M.A., Ph.D., University of California, Davis	<b>Tanghetti, Rosamaria (2008)</b> History B.A., University of California, Los Angeles M.A., Stanford University Ph.D., University of California, Davis
<b>Sanford, Tricia (2016)</b> Mathematics A.A., Skyline Community College B.S., University of California, Davis M.A., San Francisco State University	<b>Spangler, Rachel I. (2005)</b> English B.A., University of California, Davis M.A., California State University, Los Angeles	<b>Tedla, Dagne (1991)</b> Political Science B.A., M.A., California State University, Sacramento
<b>Sarte, Jaime M. (1999)</b> Biology A.A., Ohlone College B.A., University of California, Santa Cruz M.A., San Jose State University	<b>Spritzer, Terrie (2017)</b> Learning Disabilities (DSPS) B.A., California State University, Northridge M.A., University of Southern California M.S., Alliant International University	<b>Tercho, Karen (2014)</b> Librarian B.A., McGill University M.L.I.S., University of Rhode Island
<b>Schutte, Matthew L. (2008)</b> Mathematics B.S., University of California, Berkeley M.A.T., University of California, Davis	<b>Stanton, Kathryn J. (2004)</b> Geology B.A., Ph.D., University of California, Davis	<b>Thomas, D. Brett (1997)</b> English As A Second Language B.A., Tufts University M.A., Indiana University M.A., University of California, Davis
<b>Scott, Geraldine (2001)</b> Counselor A.A., College of San Mateo B.A., M.S., San Francisco State University	<b>Steever, Joseph (2007)</b> Mathematics B.S., University of the Pacific M.A., University of California, Berkeley	<b>Thomas-Val, Jacinth P. (2001)</b> English B.A., University of the Virgin Islands M.A., Andrews University M.A., Ph.D., University of Illinois
<b>Seddon, Christopher T. (2001)</b> Coordinator, Technology Computer Laboratory B.A., California State University, Long Beach M.A., San Jose State University	<b>Stevenson, Elizabeth (2017)</b> Learning Skills and Tutorial Services Coordinator B.A., Binghamton University M.A., California State University, Sacramento	<b>Thompson, Irwin Scott (2014)</b> Physical Therapist Assistant B.S., Springfield College M.S., University of Puget Sound
<b>Segal, Jonathan E. (2005)</b> Mathematics B.A., M.A., California State University, Sacramento	<b>Stewart, Devoun (2018)</b> Chemistry B.S., University of the West Indies, Mona Ph.D., Howard University	<b>Times, Kenneth J. (2008)</b> Counselor, EOP&S B.A., Howard University M.S., California State University, Sacramento
<b>Selva, Marcia L. (2000)</b> English B.A., University of California, San Diego M.A., California State University, Sacramento	<b>Stewart, Rachel (2016)</b> Coordinator/Counselor, Workability III B.A., University of California Berkeley M.A., San Diego State University	<b>Toupadakis, Barbara (2006)</b> English As A Second Language B.S., University of Maine, Orono M.A., University of Iowa
<b>Serafini, Lisa L. (1993)</b> Biology B.S., University of Michigan M.S., University of California, Davis	<b>Stone, Leila (2015)</b> Counselor A.S., Woodland Community College B.A., University of California, Davis M.S., California State University, Sacramento	<b>Town, James (2016)</b> Business and Computer Information Science Lab Coordinator B.S., University of Southern California M.Ed., University of Vermont
<b>Severson, Michael L. (1996)</b> Communication B.A., California State University, Stanislaus M.A., California State University, Fresno	<b>Strimling, Amy (2006)</b> Family Consumer Science/Early Childhood Education A.A., American River College B.A., M.A., California State University, Sacramento	<b>Triphon, Joann E. (1998)</b> Associate Degree Nursing A.D.N., Chabot College B.S.N., M.S.N., California State University, Sacramento Ed.D., California State University, Sacramento
<b>Shearer, Kirt (2016)</b> Commercial Music and Sound Recording Technology B.S., Charter Oak State College M.E.T., American College of Education		

- Tromborg, Chris T. (2002)**  
 Psychology  
 B.A., B.S., M.A., California State University, San Francisco  
 M.A., Ph.D., University of California, Davis
- 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
- Wallace, Shanda L. (2015)**  
 Dental Hygiene  
 A.S., Cabrillo College  
 B.S.D.H., Loma Linda University
- Wang, Hsiao J. (1989)**  
 Mathematics  
 B.A., National Taiwan University  
 M.S., California State University, Fresno
- Waxman, Robyn M. (1999)**  
 Design and Digital Media  
 B.S., University of Delaware  
 M.F.A., California College of the Arts
- Weinsheink, Shawn E. (2004)**  
 Theatre Arts & Film  
 B.A., San Diego State University  
 M.F.A., San Francisco State University
- Whipple, Charles H. (2002)**  
 Sociology  
 A.A., Santa Rosa Junior College  
 B.A., University of California, Santa Barbara  
 M.A., San Diego State University  
 M.A., University of California, Santa Cruz
- White, Alexandria (2018)**  
 English  
 B.A., San Francisco State University  
 M.A., University of California, Santa Cruz
- Williams, Nichelle (2008)**  
 Counseling  
 B.S., San Jose State University  
 M.S., California State University, Sacramento
- Wilson, Emily J. (2005)**  
 Art  
 B.F.A., Utah State University  
 M.F.A., University of Arizona
- Wong, Peter W. (2008)**  
 Cosmetology  
 A.S., Sacramento City College
- Woodmansee, Rick (2006)**  
 Mathematics  
 B.S., University of California, Davis  
 M.S., Central Washington University, Ellensburg
- Woolley, Nicole (1998)**  
 Librarian  
 Certificate, Online Teaching, Cerro Coso College  
 B.A., California State University, Sacramento  
 M.L.I.S., Louisiana State University
- Wu Ngai, Tsz Yan P. (2014)**  
 Mathematics  
 B.S., University of California, Davis  
 M.A., California State University, Sacramento
- Wyatt, David T. (1998)**  
 Biology  
 A.S., American River College  
 B.S., M.S., California State University, Sacramento
- Wyles, Eric J. (2018)**  
 Engineering  
 B.S., California Polytechnic State University, San Luis Obispo  
 M.S., University of California, Davis
- Xiao, Alex H. (2005)**  
 Political Science  
 B.A., Beijing Foreign Language Institute, Beijing, China  
 M.A., Claremont Graduate University  
 M.A., Ph.D., University of Southern California
- Xu, Lily (2016)**  
 Computer Information Science  
 Programming  
 M.S., University of Minnesota  
 M.S., Golden Gate University
- Yang, Richard (1997)**  
 Counselor  
 B.A., M.S., California State University, Sacramento
- Yaroshevich, Nataliya (2015)**  
 Counselor, Disabled Students Program and Services  
 M.S., California State University, Sacramento
- Young, Robert (2016)**  
 Theatre Arts and Film  
 B.A., California State University, Sacramento  
 M.A., California State University, Sacramento  
 M.F.A., California College of the Arts
- Zamora, Frank (1991)**  
 Art  
 B.S., M.A., Bob Jones University  
 M.F.A., Claremont Graduate School
- Zaragoza, Diana A. (2015)**  
 Early Childhood Education  
 B.S., M.A., University of California, Davis
- 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.  
Bonawitz, Marcia  
Buonauro, John  
Burg, Thomas  
Button, Donald  
Capaletti, Thomas  
Crandley, Patrick  
Cypret, Phillip  
Estabrook, Paul  
Fitzpatrick, Kenneth  
Gentry, Richard  
Goehring, Kevin S.  
Handy, Mae Frances (Fran)  
Johnson, Lawrence  
Olivarez, Norma  
Prudhel, Bradley  
Seddon, Christopher  
Waxman, Robyn  
Wong, Peter  
Zeh, Jonathan

**Division of Behavioral and Social Science**

Austin, Grace  
Bahhur, Riad  
Block, Angela  
Carbary, Kathleen  
Cerri, Dominic  
Chevraux-FitzHugh, Adrian  
Coppola, Jessica  
Davis, Craig  
Dennis, Mark  
Doonan, William  
Frank, Paul  
Frazier, Surangi  
Giovannetti, Lynne  
Gould, Kelly L.  
Graybill, Stuart  
Grofe, Michael J.  
Heningburg, Keith  
Johnson, Ilana  
Keys, Alan  
Kirkpatrick, Nadine  
Lindell, Pamela  
Logan, Shane  
Lorenz, Norman  
Lum, Belinda C.  
Miller, Nicholas  
Patton, Sherri  
Perry, Laurie  
Piscopo, Holly  
Pitman, Gayle  
Polagruo, John  
Regalado, Maria  
Sjovold, Carl-Petter  
Strimling, Amy  
Tanghetti, Rosamaria  
Tedla, Dagne  
Tromborg, Chris  
Whipple, Charles  
Xiao, Alex H.  
Zaragoza, Diana

**Division of Business and Computer Information Science**

Anderson, Kevin  
Andrews, Dean  
Camarena, Sandra  
Costello, Linda D.  
Crumpton, Debra J.  
De Mey, Suzanne L.  
Dixon, Michael  
Kaina, Abdelaziz  
Krofchock, Bryan M.  
Little, Myra (Sheley)  
Mom, Brian  
Mukarram, Abida  
Parks, Karen  
Pease, Dyan  
Rowe, Stephanie  
Town, James  
Xu, Lily

**Division of Counseling and Student Success**

Allred, Mary-Susan  
Bacod, Maristella  
Barfield, Annette  
Belair, Diane M.  
Bui, Dinh  
Cornelius, Victoria  
Davis, Tony P.  
Freas, Adam  
Gilley, Shannon R.  
Gomez, Wendy  
Gonzalez, Mauricio  
Guzman, Sandra  
Harvey, Jonathan  
Hodge, Tracey  
Janssen, Kristine  
LaChica, Juan  
Lepe, Leonela  
Malik, Jamil  
Muraki, Keith  
Newman, Toni J.  
Nguyen, Anh  
Parker, Leslie  
Ruedas, Sandra  
Sah, Tasneem K.  
Scott, Geraldine  
Spritzer, Terrie  
Stewart, Rachel  
Stone, Leila  
Times, Kenneth  
Williams, Nichelle  
Yang, Richard  
Yaroshevich, Nataliya

**Division of Humanities and Fine Arts**

Anderson, Catherine  
 Barbaria, Miriam  
 Boguski, Mark  
 Church, Kim  
 Clark, Kevin  
 Fabionar, David  
 Fonda, Gioia  
 Forrester, Elizabeth  
 Garcia, Mari Carmen  
 Hanson, Luther  
 Harris-Jenkinson, Patricia  
 Jensen, Andre  
 Lucas, Andrea  
 Masterson, Patricia  
 Paulson, Daniel I.  
 Peterson, Terry  
 Petite, Lori  
 Piedra, Erica A.  
 Poe, Kathleen  
 Quandt, Timothy  
 Rodriguez, Tanya  
 Redmond, Patti  
 Rohret, Valerie  
 Severson, Michael  
 Shearer, Kirt  
 Shiflet, Kurt  
 Weinsheink, Shawn E.  
 Wilson, Emily  
 Young, Robert  
 Zamora, Frank

**Division of Kinesiology, Health, & Athletics**

Allender, Julia  
 Avendano, Marisa  
 Bauduin, Lisa  
 Bomberry, Deskaheh D.  
 Carmazzi, Paul  
 Dewar Jr., Robert E.  
 Griffin, David  
 Hanson, Steve A.  
 Herlihy, John E.  
 Jones, Andrew  
 Kiernan, Timothy  
 Nash, Laurie  
 Oh, Jang-Ha  
 Sullivan, Derek  
 Walker, Dannie  
 Zuercher, Connie

**Division of Language and Literature**

Allen, Randy K.  
 Armstrong, Dana  
 Burrell, Karen I.  
 Castaneda, Denise  
 Cervin, Richard  
 Cirrone, Steve  
 Dana, Maureen  
 DeMartini, Dawna L.  
 Doersch, Ann  
 Felker, Jeffery J.  
 Gary, Lara  
 Gomez, Tracey  
 Haag, Janis  
 Hanson, Jon  
 Jackson, Sally-Anne  
 Kawamura, Sandra  
 Knorr, Jeffrey  
 Laird, Hayley  
 Leonard, Duane  
 Lewis, Ann  
 Limon Guzman, Jesus  
 Loomis, Debora  
 Marks, Carrie S.  
 Muther, Shantra  
 Myers, Linda  
 Myers, Troy  
 Nuttall, Gabriella  
 Olsen, Nancy  
 Patton, Marcus  
 Prado, JoAnna  
 Rangel, Makeba  
 Roberts, Joshua  
 Romero, Danny  
 Selva, Marcia  
 Spangler, Rachel  
 Thomas, D. Brett  
 Thomas-Val, Jacinth  
 Toupadakis, Barbara  
 Waggoner, Camille  
 White, Alexandria

**Division of Learning Resources**

Goodchild, Rebecca  
 Griffin, Susan E.  
 Karlsen, Jeffrey  
 Knudson, Kandace  
 Lopez, Antonio J. T.  
 Pogue, Brian  
 Posz, Pamela  
 Richard, Loretta  
 Tercho, Karen  
 Woolley, Nicole

**Division of Mathematics/  
Statistics & Engineering**

Boyd, Halsey  
 Dale, Nicholas  
 Deglow, Annette  
 Dibble, Cindy  
 DuVernay, Tara N.  
 Fasman, Lyudmilla (Lucy)  
 Gonzales, Stephen  
 Hunter, Mark A.  
 Jauregui, Lorena  
 Lambert, Angelena  
 Larson, Carillon (Lonnie)  
 Maloney, Lori  
 Manriquez, Paul  
 Martinez, Jesus  
 May, Alexander  
 May, Virginia  
 McDonald, Patrick  
 Medina, Renee  
 Mendez-Nunez, Luis  
 Phillips, Joseph  
 Rojas, Karla  
 Rosenberger, Randy  
 Sanford, Tricia  
 Schutte, Mathew  
 Segal, Jonathan  
 Steever, Joseph  
 Van Sickle, Debra  
 Walker, Norman  
 Wang, Hsiao  
 Woodmansee, Rick  
 Wu Ngai, Tszi Yan P.  
 Wyles, Eric J.

De Guzman, Emmylou  
 DeGennaro, Paul  
 Doron, David A.  
 Fellman, Melissa  
 Greenwell, Andrea  
 Hoerl, Ada B.  
 Holland, Gina  
 Holt, Julie  
 Huang, Ling  
 Hussey, Susan  
 Hwang, Joel  
 Iredale, Michael J.  
 Ishchuk, Alexandr  
 James, Stephen  
 Johnson, Denise  
 Jones, Christine  
 Lane, Tammie R.  
 Lucien, Darreis  
 Maeda, Richard  
 Manuel, Mara L.  
 Marshall, Doris  
 McDaid, Liam  
 Mesa, Felicia  
 Miller, William  
 Naganuma, Kenneth  
 Ngassam, Valery  
 Nuss, Linda  
 Paden, Sylvia  
 Randolph, Melodi L.  
 Rice, Helen  
 Richardson, Michael  
 Roffey, Robin  
 Sarte, Jaime  
 Serafini, Lisa  
 Siu, Jennifer  
 Stanton, Kathryn J.  
 Stewart, Devoun  
 Sullivan, Christopher  
 Thompson, Irwin Scott  
 Triphon, Joann  
 Wagner, Glenna  
 Wallace, Shanda  
 Wyatt, David  
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**Division of Science and Allied Health**

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## 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 units or more with grades of "C" or better in each course. A minimum of 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 points 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**

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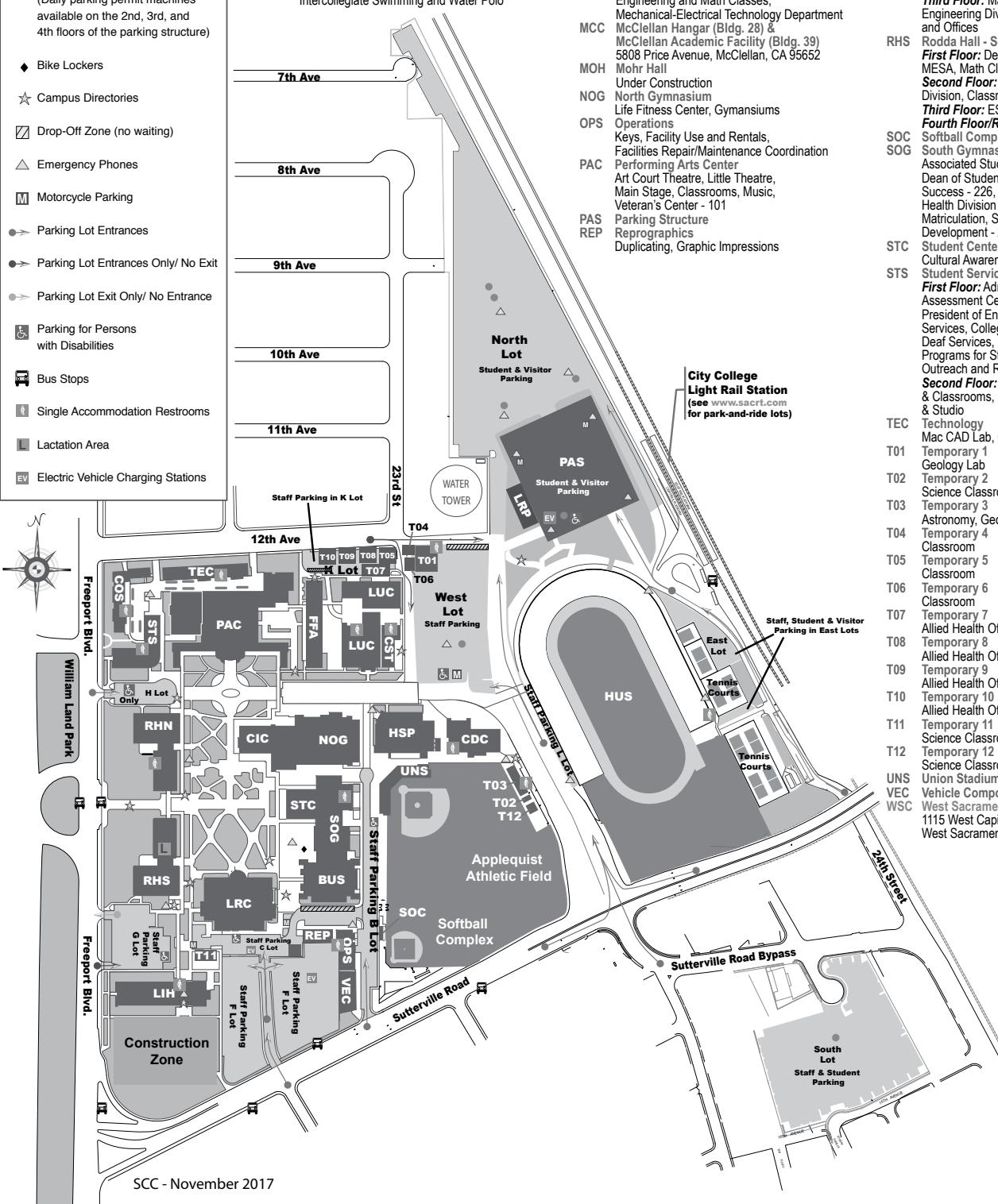
## **Notes**

## **Notes**

**SACRAMENTO  
CITY  
COLLEGE**

3835 Freeport Blvd.  
Sacramento, CA 95822  
[www.scc.losrios.edu](http://www.scc.losrios.edu)

- Parking Permit Machines  
(Daily parking permit machines available on the 2nd, 3rd, and 4th floors of 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
  - 🚻 Single Accommodation Restrooms
  - 哺乳 Lactation Area
  - EV Electric Vehicle Charging Stations



SCC - November 2017

**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 (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

**MCC** McClellan Hangar (Bldg. 28) & McClellan Academic Facility (Bldg. 39)  
5808 Price Avenue, McClellan, CA 95652

**MOH** Mohr Hall  
Under Construction

**NOG** North Gymnasium  
Life Fitness Center, Gyms

**OPS** Operations  
Keys, Facility Use and Rentals, Facilities Repair/Maintenance Coordination

**PAC** Performing Arts Center  
Art Court Theatre, Little Theatre, Main Stage, Classrooms, Music, Veteran's Center - 101

**PAS** Parking Structure

**REP** Reprographics  
Duplicating, Graphic Impressions

**RHN** Rodda Hall - North  
**First floor:** 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:** Math, Statistics & Engineering Division, Math Classrooms and Offices

**RHS** Rodda Hall - South  
**First Floor:** Dental Clinic, Math Lab, MESA, Math Classrooms, RISE  
**Second Floor:** Language & Literature Division, Classrooms  
**Third Floor:** ESL Center, Reading Lab  
**Fourth Floor/Rooftop:** Observatory

**SOC** Softball Complex

**SOG** South Gymnasium  
Associated Student Government - 226, Dean of Student Equity and Success - 226, Science and Allied Health Division Office - 220, Matriculation, Student Leadership & Development - 226

**STC** Student Center  
Cultural Awareness Center

**STS** Student Services  
**First Floor:** Admissions & Records, Assessment Center, Associate Vice President of Enrollment and Student Services, College 2 Career, Deaf Services, Disability Services and Programs for Students (DSPS), Outreach and Recruitment, Workability  
**Second Floor:** Journalism Department & Classrooms, Photography Department & Studio

**TEC** Technology  
Mac CAD Lab, GCOM classes

**T01** Temporary 1  
Geology Lab

**T02** Temporary 2  
Science Classroom

**T03** Temporary 3  
Astronomy, Geology, and Physics

**T04** Temporary 4  
Classroom

**T05** Temporary 5  
Classroom

**T06** Temporary 6  
Classroom

**T07** Temporary 7  
Allied Health Offices and Labs

**T08** Temporary 8  
Allied Health Offices and Labs

**T09** Temporary 9  
Allied Health Offices and Labs

**T10** Temporary 10  
Allied Health Offices and Labs

**T11** Temporary 11  
Science Classroom

**T12** Temporary 12  
Science Classroom

**UNS** Union Stadium

**VEC** Vehicle Compound

**WSC** West Sacramento Center  
1115 West Capitol Ave., West Sacramento, CA 95691

**City College Light Rail Station**  
(see [www.sacrt.com](http://www.sacrt.com) for park-and-ride lots)

**East Lot**  
Staff, Student & Visitor Parking in East Lots

**Tennis Courts**

**Tennis Courts**



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# LOS RIOS

C O M M U N I T Y  
C O L L E G E  
D I S T R I C T

1919 Spanos Court  
Sacramento, CA 95825  
[www.losrios.edu](http://www.losrios.edu)

SACRAMENTO CITY COLLEGE seeks to create a learning community that celebrates diversity, nurtures personal growth, and inspires academic and economic leadership.